



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० २३  
No. 23]

नई दिल्ली, शनिवार, जून ९, १९९०, (ज्यैष्ठ १९, १९१२)  
NEW DELHI, SATURDAY, JUNE 9, 1990 (JYAISTHA 19, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिवृचनाएं और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS

Calcutta, the 9th June 1990

ADDRESS AND JURISDICTION OF OFFICES OF  
THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,  
Todi States, III Floor,  
Lower Parel (West),  
Bombay-400 013.

The States of Gujarat, Maharashtra and Madhya Pradesh and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,  
Unit No. 401 to 405, III Floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

1—97 GI/90

Patent Office Branch,  
61, Wallajah Road,  
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),  
"NIZAM PALACE", 2nd M.S.O. Building,  
5th, 6th and 7th Floor,  
234/4, Acharaya Jagadish Bose Road,  
Calcutta-700 020.  
Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

**Fees :**—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by Bank Draft or Cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

## पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 9 जून 1990

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा,  
टोडी इस्टेट,  
तीसरा तल, लोअर एरल (पश्चिम),  
बम्बई-400 013.

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं  
संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं  
वादरा और नगर हुवेली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,  
एक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश  
राज्य क्षेत्रों एवं संघ शासित क्षेत्र  
चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय शाखा,  
61, बालाजह रोड,  
मद्रास-600 002.

आंध्र प्रदेश, कर्नाटक, केरल, तामिलनाडु राज्य क्षेत्र  
एवं संघ शासित क्षेत्र पाण्डिचेरी,  
लक्षद्वीप, मिनीकाय तथा  
एमिनिदिदि द्वीप ।

तार पता—“पेटेंटोफिस” ।

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहूतलीय कार्यालय भवन,  
5. 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700 020.

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स” ।

पेटेंट अधिनियम, 1970 या पेटेंट निगम, 1972 में  
अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख  
पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए  
जायेंगे ।

शुल्क :—शुल्कों की अवधि या तो नकद की जायेगी अथवा  
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य भनादेश अथवा  
डाक आदेश या जहां उपयुक्त कार्यालय स्थित है; उस स्थान  
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट  
अथवा चेक द्वारा की जा सकती है ।

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20.

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act, 1970

The 26th April 1990

346/Cal/90. Ici India Limited. An improved process for the preparation of 5-(2,2'-dichloroethyl) dihydro-4, 4-dimethyl-2-(3H) furanone.

347/Cal/90. Alfing Kessler Sondermaschinen Gmbh. Method and apparatus for fracturing connecting rods.

348/Cal/90. Neff Gmbh. Linear bearing and method for the manufacture of the ball-redirecting means thereof.

349/Cal/90. Deussan-A.G. A process for the preparation of bis-(2, disproportionation products of N, N'-substituted 4-Diamino-S-Triazin-6-YL)-Tetra sulfides. (Divisional date 11th March, 1987).

350/Cal/90. Noel Carrol. Cyclone separator.

351/Cal/50. Commonwealth of Australia. C/O Department of Foreign Affairs & Trade. Secure image production. (Convention date April 27, 1989; No. PJ 3915/89; Australia).

352/Cal/90. Samsung Electron Devices Co. Ltd. Dispenser cathode for cathode-ray tube.

353/Cal/90. B & J Manufacturing Company.. Tire rasp blade.

The 30th April 1990

354/Cal/90. Debarata Narayan Chowdhury. Apparatus for purifying exhaust gas emissions of petrol and diesel engines.

355/Cal/90. Himont Incorporated. Crystalline propylene polymers and copolymers in the form of spherical particles at high porosity.

356/Cal/90. Thomson Consumer Electronics, Inc. Method of manufacturing a luminescent screen assembly using a dry-powdered filming material.

357/Cal/90. Hitachi Construction Machinery Co. Ltd. Hydraulic circuit system for working machine.

358/Cal/90. Injectall Ltd. A gas injection nozzle and apparatus for injecting gas into high temperature liquids, E. G. Metal melts, incorporating said nozzle.

(Divisional date 10th February, 1988).

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110005

The 19th March 1990

257/Del/90. Balcke-Durr Aktiengesellschaft, "A method of manufacturing a heat exchanger". [Divisional date 10th April, 1987].

258/Del/90. The Protector & Gamble Co., "Absorbent structures with odor control".

259/Del/90. The Protector & Gamble Co., "Low residue antiperspirant creams".

260/Del/90. The Protector & Gamble Co., "Disposable absorbent article having improved leg cuffs".

261/Del/90. The Protector & Gamble Co., "Absorbent structures with odor control material".

262/Del/90. John Crane UK Ltd., "Mechanical face seals". (Convention date 28th March, 1989) (UK).

263/Del/90. Alcan International Ltd. "Metal/air battery with seeded recirculating electrolyte". (Convention date 23rd March, 89) (Canada).

264/Del/90. Lacvac Pty. Ltd., "Cap".

265/Del/90. The B. F. Goodrich Co., "Elasticized vinyl dispersion resins having outstanding storage stability".

266/Del/90. Intel Gasgards Pvt. Ltd., "Leak detector for gas containers".

The 20th March 1990

267/Del/89. Anil Kumar Sharma, "Improved carbonator".

268/Del/90. Warner-Lambert Co., "Razor mechanism".

269/Del/90. The Lubrizol Corporation, "A lubricating composition". [Divisional date 22nd April, 1987].

270/Del/90. O. Leonard Doellner, "Radiant energy power source structure".

271/Del/90. Lipha, Lyonnaise Industrielle Pharmaceutique, "Process of preparation of 4 (3H)-pteridinones, and drugs containing them".

272/Del/90. Pfizer Hospital Products Group, Inc, "Fluid flow control apparatus".

273/Del/90. Imperial Chemical Industries PLC, "New reactive dyes". (Convention date 24th April, 1989) (U. K.).

The 21st March 1990

274/Del/90. Rishiraj Singh Saini, "Process for manufacture of anti-measles oral dose".

275/Del/90. The Protector & Gamble Co., "Low residue antiperspirant sticks".

276/Del/90. The Protector & Gamble Co., "Disposable absorbent article having improved barrier".

The 22nd March 1990

277/Del/90. Bernard Castagner & Claude Waizenegger, "System for driving anchors in the grounds".

278/Del/90. National Research Development Corporation, "Methods and apparatus for transparent tone-in-band transmitter, receiver and system processing". (Convention date 12th April, 1989) (U.K.).

279/Del/90. Riker Laboratories, Inc, "Olefinic 1H-imidazo (4, 5-C) quinolin-4-amines".

280/Del/90. The Lubrizol Corporation, "A process for preparing at least one borated amine salt of a dihydrocarbyl monothiosphoric acid". [Divisional date 11th June, 1987].

281/Del/90. The Lubrizol Corporation, "A lubricating or functional fluid composition". [Divisional date 11th June, 1987].

282/Del/90. Council of Scientific & Industrial Research, "A process for the recovery of free ammonia and ammonium compounds from liquid wastes".

283/Del/90. Council of Scientific & Industrial Research, "Equipment for time sharing of single AC motor soft starter with more number of AC motors".

284/Del/90. Council of Scientific & Industrial Research, "An improved process for the extraction of pure saponin from the pericarp of Sapindus emarginatus".

285/Del/90. Council of Scientific & Industrial Research, "An improved process for the extraction of superior grade palm kernel meal and oil from palm kernel".

The 22nd March 1990

286/Del/90. Council of Scientific & Industrial Research, "A process for coating the surfaces of mild steel and stainless steel by crystallisable coating composition". [Divisional date 30th March, 1988].

287/Del/90. Council of Scientific & Industrial Research, "A process for the preparation of polymeric sulphonates useful as surfactant from cashewnut shell liquid (CNSL) or bilawan nut liquid (BNL)".

288/Del/90. Council of Scientific & Industrial Research, "A process for the removal of ultra fine carbonaceous impurities from processed china clay by froth flotation".

289/Del/90. Joseph Francois Toupin & Xavier Duesnel, "Dece for detecting the exceeding of a temperature threshold".

290/Del/90. Alcan International Ltd., "Optical interference structures incorporating porous films". (Convention date 22nd March, 1989) (Canada) & [29th Sept. 89 Canada].

291/Del/90. Alcan International Ltd., "Two phase metal/oxide films". (Convention date 22nd March, 1989) (Canada). [29th Sept. 89 Canada].

292/Del/90. Lenzing Aktiengesellschaft, Improvements in or relating to a monoxially stretched shaped article of polytetrafluoroethylene and a process for producing the same".

The 23rd March 1990

293/Del/90. Rajasthan Electronics & Instruments Ltd., "A milk collection means".

294/Del/90. Rajasthan Electronics & Instruments Ltd, "A milk collection means".

295/Del/90. Rajasthan Electronics & Instruments Ltd., Milk fat analyzer".

- 296/Del/90. National Institute of Health & Family Welfare, "A pregnancy testing kit".
- 297/Del/90. ICI Australia Operations Proprietary Ltd., "Addition polymer particles". (Convention date 23rd March, 89 (Australia)).
- 298/Del/90. UOP INC, "A hydrocracking process for the manufacture of a middle distillate product". [Divisional date 16th April, 1987].
- 299/Del/90. Pfaudler Werke AG, "Corrosion Resistant enamelled valve".
- 300/Del/90. Bjorn Olofsson, "A pump system particularly intended for pumping water from deep wells". [Divisional date 2nd July, 1987].
- 301/Del/90. Corning Incorporated, "High refractive index photochromic glasses".
- 302/Del/90. Bachmann Corporate Services, Inc., "Dampers with leaf spring seals". (Convention date 23rd March, 89) (Canada).

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 26th March 1990

- 217/Mas/90. Dr. P. Shivananda Rao. Pistonless engine-cum-turbine-cum-pump.
- 218/Mas/90. Govindarajulu Rajendran. "Super Efficient Two Stroke Petrol Engine".
- 219/Mas/90. Govindarajulu Rajendran. "Speed-cum-Efficiency meter".
- 220/Mas/90. GEC Plessey Telecommunications Improvements in or relating to exchanges.
- 221/Mas/90. George Osbakk. Etackable Box.

The 27th March 1990

- 222/Mas/90. Dr. V. Krishnamoorthy. A device to play indoor games using multicolored pieces.
- 223/Mas/90. Isola Alice. Apparatus for the magnetic treatment of a fluid.
- 224/Mas/90. Caterpillar Inc. Method and measuring detonation in an internal combustion engine. (28, August, 1989; Canada).
- 225/Mas/90. Pechiney Electrometallurgie. Production of heavy metal carbides of high specific surface area.

The 28th March 1990

- 226/Mas/90. A Ashitrom Corporation. Fluidized bed reactor with protected fluid distributor.
- 227/Mas/90. Potters Industries Inc. A process and apparatus for making spheres from a multiplicity of minute particles. (divisional to Patent Application No. 396/Mas/86).

The 29th March 1990

- 228/Mas/90. Chung Packaging Company. Rectangular Paperboard package and method of making same.
- 229/Mas/90. Westinghouse Brake and Signal Holdings Limited. Vehicle Brake Actuator. (April 11, 1989; United Kingdom).

The 30th March 1990

- 230/Mas/90. Astra Research Centre India. A novel procedure for the detection of parasites using DNA probes.

- 231/Mas/90. General Instrument Corporation. Method for controlling the switching speed of bipolar power devices.

- 232/Mas/90. Neptune Inflatable (P) Ltd. A process for the manufacture of a water bed and a water bed thereof.

- 233/Mas/90. Minnesota Mining and Manufacturing Company. Biological production of novel cyclohexadienediols.

The 2nd April 1990

- 234/Mas/90. The Kadri Mills (Cbe) Ltd. A device for removal of waste from the flats of a carding machine.
- 235/Mas/90. HOLS Aktiengesellschaft. Process for the preparation of alkoxyalkylidenemalononic acid esters.

- 236/Mas/90. Firma Theodor Hymmen. Method and device for heating the pressure belt of a press.

- 237/Mas/90. Charbonnages De France. Pseudo-continuous process for interrogating a combustible gas detector.

- 238/Mas/90. JS Helecom. Process and apparatus for accessing a communications medium shared among users transmitting in a circuit mode or packet mode with different priority levels.

- 239/Mas/90. The Dow Chemical Company. A method for the manufacturing of polymer films. (Divisional of Patent Application No. 419/Mas/86).

The 3rd April 1990

- 240/Mas/90. Gebjek Jinnabdtgesellschaft auf Aktien. Liquid Rheology Control.

- 241/Mas/90. Henkel Kommanditgesellschaft auf Aktien. Drilling fluids.

- 242/Mas/90. Henkel Kommanditgesellschaft auf Aktien. Drilling fluids.

- 243/Mas/90. Henkel Kommanditgesellschaft auf Aktien. Drilling fluids.

- 244/Mas/90. Maschinenfabrik Rieter AG. Method and device for the opening of fibre flocks from fibre bales.

The 4th April 1990

- 245/Mas/90. Dana Corporation. Frustonconical valve stem sealing element.

- 246/Mas/90. Dana Corporation. Floating valve stem seal.

- 247/Mas/90. Fine Organics Limited. Preparation of substituted ethanes. (April 5, 1989; Britain).

- 248/Mas/90. Conbarc Engineering Limited. Induction melting and casting furnace. (May 4, 1989; United Kingdom).

The 5th April 1990

- 249/Mas/90. Linde Aktiengesellschaft. Process for separating hydrogen from a predominantly olefin-containing feed stream.

- 250/Mas/90. Minnesota Mining and Manufacturing Company. Solid gel external drug delivery system.

251/Mas/90. Delco Electronics Corporation. and General Motors Corporation. Submodulation of a pulse-width modulated solenoid operated control valve.

252/Mas/90. Beam Tech Limited. Porous articles (April 6, 1989; Great Britain).

The 6th April 1990

253/Mas/90. Thirumalai Anandampillai Vijayan. An air collector for vehicles.

254/Mas/90. GEC Plessey Telecommunications Limited. Message Switching Arrangements.

#### ALTERATION

166559 Anti-dated 6th March, 1986.  
(484/Cal/88).

166580 Anti-dated 25th July, 1984.  
(456/M/87).

166588 Anti-dated 25th July, 1986.  
(766/D/86).

166590 Anti-dated 15th July, 1985.  
(522/D/87).

166598 Anti-dated 28th September, 1984.  
(835/M/89).

166599 Anti-dated 25th February, 1986.  
(886/M/87).

166610 Anti-dated 5th November, 1984.  
(125/M/88).

#### CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT 1970

The claim made by Mannesmann Aktiengesellschaft under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 165457 in their name has been allowed.

The claim made by Mannesmann Aktiengesellschaft under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 165027 in their name has been allowed.

#### PRINTING SPENCIFICATION PUBLISHED

A limited number of printed copies of the undernoted Specifications are available for sale from the Patent Office, Calcutta, and its branches at Bombay, Madras and Delhi at two rupees per copy.

(1)

157428	157429	157430	157431	157432	157433	157434
157435	157436	157437	157438	157439	157440	157441
157442	157443	157444	157445	157446	157447	157448
157449	15750.					

(2)

157451	157452	157453	157454	157455	157456	157457
157458	157459	157460	157461	157462	157463	157464

(3)

157484	157485	157486	157487	157488	157489	157490
157491	157492	157493	157494	157495	157496	157497
157498	157499	157500	157501	157502	157503	157504
157505	157506	157507	157508	157509	157510	157511
157512	157513	157514	157515	157516	157517	157518

#### PATENTS SEALED

164322	164325	165245	165325	165342	165350	165405
165407	165436	165439	165447	165450	165452	165453
165457	165467	165472.				

CAL=11.

DEL=4.

MAS=2.

BOM=NIL.

#### AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Dr. P. Sivaprasad, 156, Stage II, Chinmaya Nagar, Madras-600 092, have made an Application under Section 57 of the Patents Act, 1970 for amendment of the address for service recorded in his application for Patent No. 165602 "A PROCESS FOR ELEMENTAL SULPHUR RECOVERY FROM SULPHUR SLUDGE IN SULPHURIC ACID PLANTS". The amendments are by way of correction. The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of this Notification at the Patent Office, Madras. If the written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said notice.

Notice is hereby given that TRW INC. 90278, U.S.A., have made an application under Section 57 of the Patents Act, 1970, for amendment of the specification of their Application for Patent No. 163347 for "AN APPARATUS FOR RECOVERY OF SULFUR FROM A PARTICULATE SULFUR-CONTAINING CARBONACEOUS MATERIAL". The amendments are by way of corrections. The Application for amendments and the proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras. If the written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

Notice is hereby given that the vision Pharmaceuticals, Incorporated, of P.O. Box 333, Abingdon, Maryland 21009, United States of America, have made an application under Section 57 of the Patents Act, 1970, for amendment of specification of their Application for Patent No. 165608 for "A PROCESS FOR PREPARING AN OPHTHALMIC PREPARATION FOR THE TREATMENT OF DRY OR IRRITATED EYES". The amendments are by way of correction. The Application for amendments and the proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendments may file a Notice of Opposition on the prescribed Form 30 within 3 months from the date of the Notification at the Patent Office, Madras. If the written statement of opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

#### REGISTRATION OF ASSIGNMENTS, LICENCES ETC. (DESIGN)

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following case. The number of the case is followed by the names of the applicants for registration :

No. 146638—Franco-Indian Pharmaceuticals Pvt. Ltd.

#### RENEWAL FEES PAID

144989	145634	145739	145774	145813	147670	148268
148420	148547	148986	149038	149113	149370	149556
149931	149939	149940	150215	150709	150922	150949
151007	151075	151555	151575	151672	151847	152021
152114	152334	152485	152522	152560	152650	152931
152944	152973	153035	153067	153076	153666	153853
153959	153968	153978	154163	154211	154429	154596
154640	154646	154893	154910	154940	154945	154946
154952	154960	155291	155370	155876	155962	155972
156109	156307	156311	156403	156408	156511	156557
156596	156598	156654	156664	156786	156969	156990

157216	157234	157237	157310	157380	157455	157470
157495	157514	157668	157735	157737	157771	157876
157990	158030	158147	158270	158272	158321	158649
158772	158793	158794	159030	159130	159156	159202
159396	159538	159550	159612	159848	159948	160326
160809	160810	160994	160996	161026	161028	161255
161335	161627	161638	162110	162149	162199	162743
163093	163118	163304	163375	163456	163478	163668
163704	163767	164089	164478	164533	164857	164919
165018	165023	165043	165044	165045	165046	165222
162224	165225	165230	165248	165281	165312	165313
165319	165320	165323	165366	165369		

## RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 154457 dated the 2nd September 1981 made by Cosden Technology Inc on the 29th August 1989 and notified in the Gazette of India Part III, Section 2 dated the 20th January 1990 has been allowed and the said patent restored.

(2)

Notice is hereby given that an application for restoration of Patent No. 159484 dated the 8th March '84 made by Harco Corporation on the 26th September 1989 and notified in the Gazette of India, Part III, Section 2 dated the 6th Jan 1989 has been allowed and the said Patent restored.

(3)

Notice is hereby given that an application for restoration of Patent No. 158552 dated the 24th August 1982 made by Design Engineering Pty. Limited on the 1st May 1989 and notified in the Gazette of India, Part III, Section 2 dated the 16th September 1989 has been allowed and the said patent restored.

(4)

Notice is hereby given that an application for restoration of Patent No. 160894 dated the 7th May 1984 made by Contraves AG on the 18th May 1989 and notified in the Gazette of India, Part III, Section 2 dated the 30-9-89 has been allowed and the said patent restored.

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applicants concerned, may, at any time within four months or the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month or its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

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## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विराध करन के इच्छुक कोई व्यक्ति, इसके निगम की तिथि से 4 महीने या आग्रम एसी अविधि जो उक्त 4 महीने की अविधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अविधि से अधिक न हो के भीतर कभी भी नियंत्रक, एकस्थ को ऐसे विराध को सूचना विहित प्रपत्र 15 पर दे सकते हैं। विराध सम्बन्धी लिखित वक्तव्य; उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तराष्ट्रीय वर्गीकरण के अनुरूप है।"

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मूद्रित प्रतियां, भारत सरकार बुक डिपो, 8 किरण संकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होगी। प्रत्येक विनिर्देश का मूल्य 2/- रु. है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मूद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निर्मातालिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कांई हों; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता, द्वारा विहित लिप्यान्तरण प्रभार उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरंत उसकी अदायगी पर की जा सकती है। विनिर्देश को पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 163-B, &amp; D

166551

Int. Cl. : F 03 b 3/00.

BLOWERS HAVING ITS GUIDANCE SLEEVE AS AN ESSENTIAL UNIT.

Applicant : COMPAGNIE GENERATE DES MATIERES NUCLEAIRES, A JOINT STOCK COMPANY, 2, RUE PAUL DAUTIER, 78141 VELIZY VILLACOUBLAY, FRANCE.

Inventor : 1. BERNARD PRADEILLE.

Application No. 696/Cal/87 filed September 2, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims

## A blower comprising :

- a tubular air flow guiding sleeve;
- a central unit having an electric motor, located coaxially within the sleeve and connected thereto by flow-straightening blades;
- and
- a propeller fixed to a rotary shaft of the motor and placed in front of the blades;

wherein said central unit comprises a stationary tubular casing extended by an exit cone and constituting a one-part integral casting with the blades and with a part only of said sleeve which surrounds the motor and the propeller and wherein said part of said sleeve has a portion which surrounds the propeller and which is machined concentrically to an inner surface of said casing, said motor having a stator slidably received within the casing and in thermal contact with said inner surface.

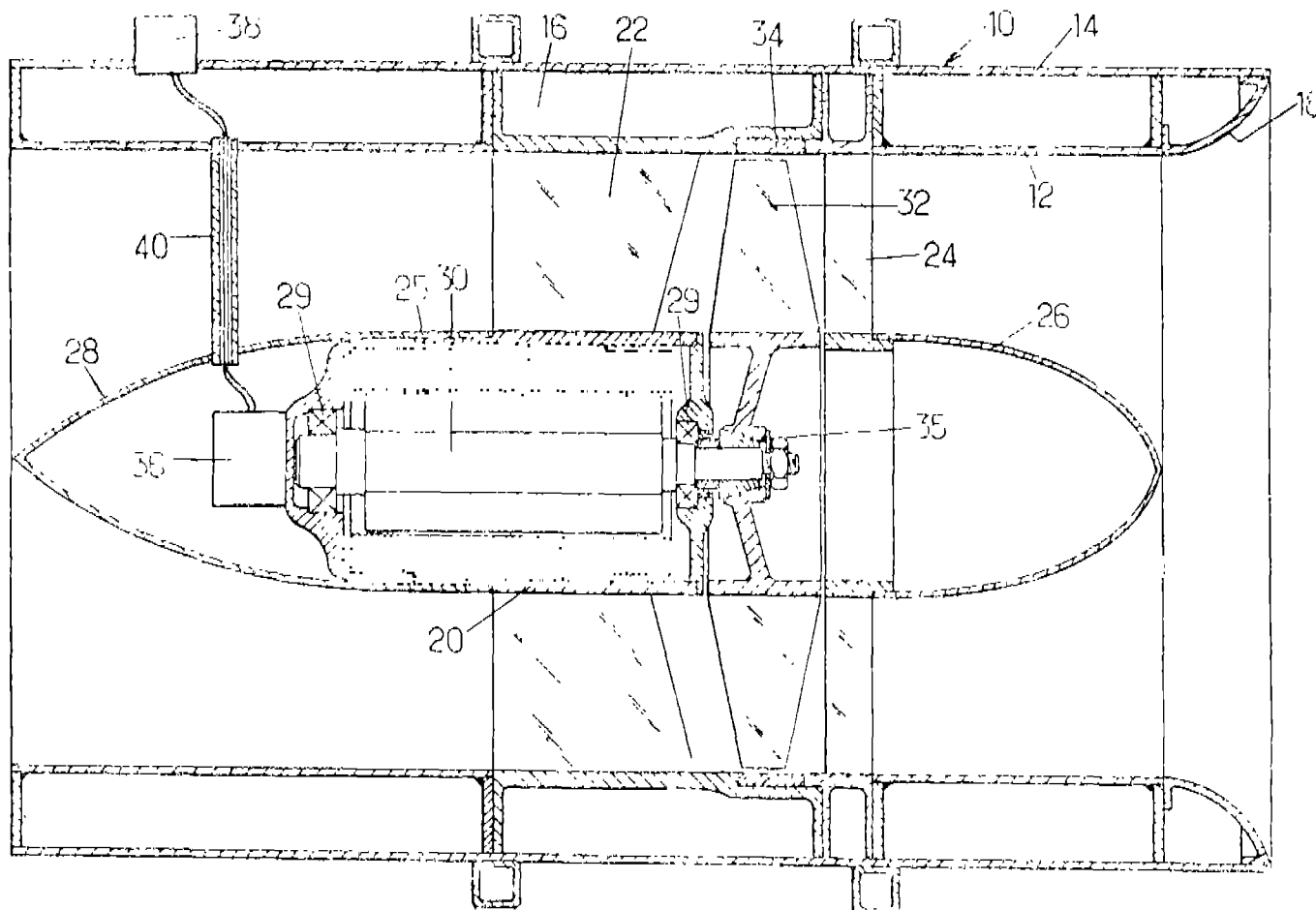


Fig. 1

Compl. specn. 10 pages.

Drgs. 2 sheets

CLASS 55-D<sub>2</sub>.

166552

7 Claims

Int. Cl. : A 01 n 25/12, 55/00, 59/00, 61/00.

A PROCESS FOR THE PREPARATION OF PELLETIZED PESTICIDAL COMPOSITION HAVING IMPROVED DERMAL MAMMALIAN TOXICITY, IMPROVED INSECTICIDAL ACTIVITY AND EXTENDED RESIDUAL EFFECTIVENESS, FOR CONTROL OF SOIL BORNE PESTS.

Applicant : AMERICAN CYANAMID COMPANY, AT ONE SYANAMID PLAZA, WAYNE, NEW JERSEY 07470, UNITED STATES OF AMERICA.

Inventor : I. TARIQ MAHMOOD.

Application No. 889/Cal/87 filed November 12, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A process for the preparation of a pelletized pesticidal composition, by dry blending in the first instance at 90°C—110°C in a high intensity mixer a mixture of :

- (i) 1%—65% by weight of a pesticide, the technical grade of the pesticide having an oral and/or dermal LD<sub>50</sub>, as measured on rats or rabbits, of less than 50 mg/kg;
- (ii) 5%—60% by weight of a polyvinyl suspension resin having a weight average molecular weight of about 260,000 to 340,000;
- (iii) 0.2%—2% by weight, of a heat stabilizing agent or mixture of heat stabilizing agents for the resin; and
- (iv) optionally upto 1% by weight of a lubricant, the said blended mixture is thereafter cooled and admixed with;

- (v) optionally upto 50% by weight of a secondary, plasticizing agent;
- (vi) optionally upto 80% by weight of a mineral additive and
- (vii) 2%—30% by weight of  $\text{SiO}_2$ , subsequently introducing the mixture thus produced into an extruder on melt pump and subjecting to heating at about  $150^\circ\text{C}$ — $180^\circ\text{C}$  extruding the heated mixture so obtained, through a die to obtain extrudate, cutting the said extrudate into pellets which are then brought into contact with a stream of water to wash the outer surfaces of the pellets and trap any toxicant pesticide adhering thereto, whereafter carrying the washed pellets to a filter where the pellets are retained and dried.

Compl. specn. 28 pages.

Drg. Nil.

CLASS 55-D<sub>2</sub>.

166553

Int. Cl. : A 01 n 25/00.

PROCESS FOR THE PREPARATION OF NOVEL, SAFENED SORPTIVE GRANULAR PESTICIDAL RESIN COMPOSITIONS HAVING REDUCED MAMMALIAN TOXICITY AND RESIDUAL ACTIVITY, FOR CONTROL OF SOIL BORNE PESTS.

Applicant : AMERICAN CYANAMID COMPANY, AT ONE CYANAMID PLAZA, WAYNE, NEW JERSEY 07470, UNITED STATES OF AMERICA.

Inventors : 1. TARIQ MAHMOOD, 2. JOSEPH FREDRICK CANNELONGO, 3. RICHARD FISHBEIN.

Application No. 890/Cal/87 filed November 12, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 9 Claims

A method for the preparation of novel, safened, solid, sorptive, granular pesticidal resin composition which are agro-nomically very useful and are characterized by markedly reduced mammalian toxicity, which comprises dry blending :

- (i) 2.0% to 30.0% by weight of a pesticide, the technical grade of which has an acute dermal LD 50, measured on rats or rabbits, of less than 50 mg/kg;
- (ii) 5.0% to 20.0%, by weight, of a plasticol matrix made up of high molecular, low viscosity polyvinyl chloride resin or vinyl chloride/vinyl ester copolymer or homopolymer having a weight average molecular weight of 200,000 to 400,000 and in inherent viscosity of 1.00—1.32 as determined by ASTM D 1243;
- (iii) 5.0% to 15.0% by weight, a secondary plasticizing agent or blend of plasticizing agents with different molecular weights;
- (iv) 0.5% to 2.0% by weight, of a surface active agent with or without upto 6% by weight of a polyalkylene glycol or mixture of polyalkylene glycols to obtain a blended resin pesticides mixture, spraying the blended resin pesticide mixture thus obtained, onto 40.0% to 80.0% by weight of a finely divided sorptive carrier which is maintained in a moving state to avoid agglomeration of the sprayed particulate materials, thereafter heating the thus prepared sprayed mixture to  $120^\circ\text{C}$ — $160^\circ\text{C}$  for 5—30 minutes and subsequently cooling and screening to obtain particulate pesticidal composition of desired particle size, all percentages being percentages by weight of the total composition.

Compl. specn. 36 pages.

Drg. Nil

CLASS 32-E &amp; 40-C.

166554

Int. Cl. : C 08 j 3/00.

PROCESS FOR PRODUCING A STERILE AQUEOUS GEL OF CROSSLINKED POLYVINYL PYRROLIDONE.

Applicant : ETHICON, INC. OF U.S. ROUTE NO. 22, SOMERVILLE, NJ 08876, UNITED STATES OF AMERICA.

Inventors : 1. ALFY MARSHALL HENDERSON, 2. LOR-ETTA MARY MCKEY, 3. ALLIN KIM GORDON.

Application No. 936/Cal/87 filed November 30, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 5 Claims

A process for producing a sterile aqueous gel of cross-linked polyvinyl pyrrolidone, which process comprises subjecting an aqueous solution containing from 5 to 40% by weight of polyvinyl pyrrolidone to ionizing radiation of 2 to 15 mrads by the method herein described to effectively convert said aqueous solution to said sterile gel.

Compl. specn. 15 pages.

Drg Nil

CLASS

Int. Cl. : A 01 n 25/00;

166555

C 08 f 120/42.

A PROCESS FOR PRODUCING BIOCIDAL OR BIOS-TATIC COMPOUND.

Applicant : BIOPOLYMERS LIMITED, OF 63 THOMPSON ROAD, NORTH FREMANTLE, WESTERN AUSTRALIA 6159, AUSTRALIA.

Inventors : 1. GRAHAM JOHN HAMILTON MELROSE, 2. CONCETTA MARIA KLEPPE, 3. JEFFREY WAYNE LANGLEY, 4. JEFFREY MARK STEWART, 5. JACOBUS VAN DYK.

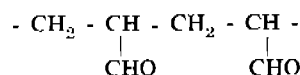
Application No. 992/Cal/87 filed December 22, 1987.

(Convention date 23rd December, 1986) Australia.

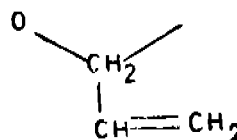
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 12 Claims

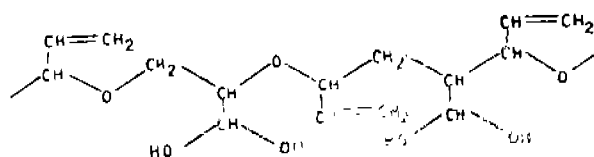
A process for producing a new polymeric biocidal or bio-static compound having the polymeric repeating unit



or this repeating unit in hydrated, hemi-acetal or acetal forms as shown in Fig. 1 where  $\text{R} = \text{H}$  and Fig. 2 of the accompanying drawings



(a)



(b)



which process comprises polymerizing in a manner as described herein acrolein or a derivative thereof, which derivative is capable of being polymerised to said compound, in the presence of a promoter, said promoter being a polymerisation catalyst, V-radiation or electron beam radiation or a combination thereof.

Compl. specn. 27 pages

Drg. 3 sheets.

CLASS : 116-C.

166556

Int. Cl. : B 65 g 23/00.

#### A TUBULAR BELT CONVEYOR.

Applicant : BRIDGESTONE CORPORATION, 10-1, KYOBASHI 1-CHOME, CHUO-KU, TOKYO, JAPAN.

Inventors : 1. KUNIO HASHIMOTO, 2. HARUO OKAZAKI.

Application No. 1004/Cal/87, filed December 28, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims

A tubular belt conveyor comprising :

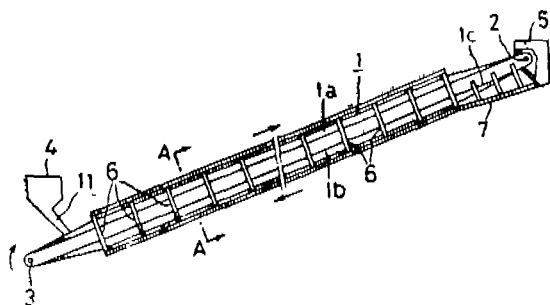
a front end roller provided at the front end of the conveyor;

a rear end roller provided at the rear end;

an endless belt which is rolled up into a tubular shape for conveying material flat portions of the belt being wound around the front and rear end rollers so that the belt may circulate between the two end rollers; and

a belt guiding device disposed at the portion in which the belt is rolled up from a flat shape into a tubular shape, the device comprising a base plate and a plurality of guide frames provided on said base plate the guide frame having a plurality of guide rollers arranged like a circle through which the belt to be rolled up passes; wherein

the diameter of the circle formed by the guide rollers within the guide frame increases gradually towards the front or the rear end roller.



Compl. specn. 15 pages

Drg. 5 sheets.

CLASS 11-C.

166557

Int. Cl. : A 23 I 1/325.

AN IMPROVED COMPOSITION FOR FEEDING SHRIMP HAVING PROLONGED STABILITY IN WATER AND RESISTANT TO EASY DISINTEGRATION OR DISPERSION IN WATER AND A PROCESS FOR MAKING THE SAME.

2-97 GI/90

Applicant : E. I. DU PONT DE NEMOURS AND COMPANY, AT WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors : 1. MALCOLM SEABORN SMITH, 2. COLASTIE JOSEPH DAIGLE.

Application No. 100/Cal/88 filed February 5, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 14 Claims

An improved feed composition used for feeding shrimp having prolonged stability in water and resistant to easy disintegration/dispersion in water which comprises :

(a) from 75 to 95 weight percent of nutrient as herein described;

(b) from 0.5 to 10 weight percent of water insoluble polymer having a melting point below about 110°C as herein described; and

(c) optionally an effective amount of lubricant, vitamin, mineral, and preservative as herein described.

Compl. specn. 16 pages.

Drg. Nil

CLASS : 128-H

166558

Int. Cl. : A 61 m 29/00.

#### AN INTRAVAGINAL DEVICE FOR CONTROLLING URINARY INCONTINENCE.

Applicant : ZEDLANI PTY. LIMITED, OF 1 SMITH STREET, PARRAMATTA, NEW SOUTH WALES 2150, AUSTRALIA.

Inventor : NICHOLAS BISWAS.

Application No. 317/Cal/88 filed April 19, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 13 Claims

AN intra-vaginal device, for controlling urinary incontinence comprising :

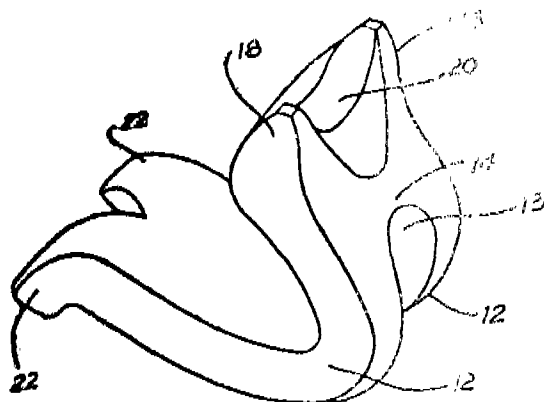
a forward and a rearward portion interconnected by a base central portion;

the forward portion being adapted to lie adjacent the anterior vaginal wall and including a projection means to lift the bladder base and bladder neck, lying behind the vaginal wall;

said forward portion further including a hollow within which the bladder neck is to rest;

the rearward portion being adapted to lie adjacent the posterior vaginal wall, and wherein said device is resiliently deformable enabling resilient deformation into an arcuate configuration so that within the

vaginal it resiliently deflects into engagement with the vaginal wall.



Compl. specn. 11 pages

Drg. 6 sheets

CLASS : 72-B

166559

Int. Cl. : C 06 b 31/28.

#### AN EXPLOSIVE COMPOSITION.

Applicant : E.I. DU PONT DE NEMOURS & COMPANY, LOCATED AT WILMINGTON, DELAWARE-19898, U.S.A; AND DU PONT CANADA INC., BOX-2200, STREETSVILLE; MISSISSAUGA, ONTARIO, CANADA L5M 2H3, CANADA.

Inventors : (1) JAMES HERMAN OWEN II, (2) GORDON RUSSELL HONEYMAN.

Application No. 484/Cal/1988 filed June 14, 1988.

Divisional of Application No. 165/Cal/1986 Anti-dated to March 06, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 9 Claims

An explosive composition comprising a granular mass of essentially free-owing emulsion bearing AN prills, said granular mass containing 18 per cent or less of said emulsion by weight, and said emulsion comprising :

- (a) 1-10 per cent of a liquid carbonaceous fuel, a fuel oil, having components which form a continuous emulsion phase;
- (b) an aqueous solution of an inorganic oxidizing salt, e.g. ammonium nitrate, forming a discontinuous emulsion phase, the salt content of this solution being 50-95 per cent and the water content 5-25 per cent, based on the total weight of the emulsion; and
- (c) an emulsifying agent, e.g. sorbitan mono-oleate, in an amount, e.g., 1-2 per cent sufficient to produce and maintain the water-in-oil emulsion structure.

Compl. specn. 16 pages

Drg. Nil

CLASS : 55-E<sub>4</sub>

166560

Int. Cl. : A 61 k 9/20.

#### A PROCESS OF PREPARING AN ACETAMINOPHEN-SUSTAINED RELEASE SHAPED AND COMPRESSED TABLET.

Applicant : MCNEILAB, INC. OF CAMP HILL ROAD, FORT WASHINGTON, PA 19034, UNITED STATES OF AMERICA.

Inventors : (1) GALEN WESLEY RADEBAUGH, (2) JOHN LEE MURTHA (3) ROBERT GLINECKE.

Application No. 503/Cal/1986 filed June 20, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

A process of preparing an acetaminophen-sustained release shaped and compressed tablet characterized by a slow release of the acetaminophen upon administration comprising the following steps :

- (A) forming a granulating agent by dissolving 5-25 parts by weight Povidone in water or in an alcohol-water mixture;
- (B) blending together the following ingredients in dry powder form:

Ingredient	Parts by weight
Acetaminophen	325
Hydroxyethyl Cellulose	5-25
Wicking agent (such as herein described)	5-25

- (C) adding the granulating agent from Step A to the blended powders from Step B. and mixing in a high shear granulator to form a wet granulation;

- (D) drying at a temperature between 20°C-100°C the wet granulation of Step C;

- (E) milling the dried granulation from step D;

- (F) thoroughly blending the milled dried granulation from Step E with the following ingredients in dry powder form;

Ingredient	Parts by weight
erosion promoter (such as herein described)	1-15
wicking agent (such as herein described)	5-45
lubricant (such as herein described)	0-10
glidant (such as herein described)	0-5

- (G) compressing the final granulation from Step F into a tablet.

Compl. specn. 30 pages

Drg. Nil

Int. CLASS<sup>4</sup> : C 07 B 57/00

166561

#### A PROCESS FOR THE RESOLUTION OF A RACE-MATE.

Applicant : LAPORTE INDUSTRIES LIMITED, A UNITED KINGDOM COMPANY, OF HANOVER HOUSE, 14, HANOVER SQUARE, LONDON W1R 0BE, ENGLAND.

Inventors : (1) ALAN EDWARD COMYNS, (2) GARETH WILMOT MORRIS, (3) JOHN PHILLIP SANKEY.

Application No. 904/Mas/85 filed November 14, 1985.

Convention date : November 17, 1984; (No. 8429121; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

16 Claims. No drawing.

A process for the resolution of a racemate of a compound of stereoselective adsorption on a solid adsorbent characterised by passing a quantity of the racemate in the form of a liquid, a vapour, or of a solution through a bulk of a crystallographically asymmetric, crystalline molecular sieve having a pore size of from 3 to 15 Angstroms and recovering one or more fractions of the racemate relatively concentrated or depleted in one of the enantiomers thereof.

Compl. specn. 19 pages.

Int. CLASS<sup>4</sup>: D 07 B 1/16

166562

PLASTIC FILLED WIRE ROPE WITH STRAND SPACER.

Applicant : AMSTED INDUSTRIES INCORPORATED, OF 3700 PRUDENTIAL PLAZA, CHICAGO, IL 6060, U.S.A., A CORPORATION OF DELAWARE, UNITED STATES OF AMERICA.

Inventors : (1) PETER PHILIP RIGGS, (2) HARRY LAWRENCE DATA.

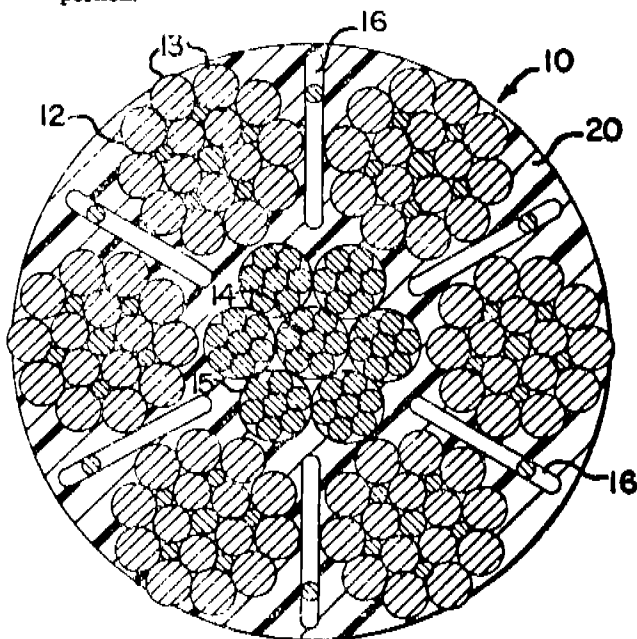
Application No. 905/Mas/85 filed November 15, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

8 Claims

A plastic filled wire rope with strand spacer comprising :

- a central core strand;
- a plurality of outer strand surrounding said core strand;
- a thermoplastic coating extending substantially continuously from an outer portion of the outer strands between said outer strands and to an inner portion adjacent the central core strand;
- and a plurality of spacer means located substantially longitudinally between adjacent outer strands and running between said inner portion and said outer portion.



Compl. specn. 9 pages

Drg. 1 sheet

Int. CLASS<sup>4</sup>: C 10 J 3/02; 3/20

166563

METHOD AND A DEVICE FOR THE PRODUCTION OF A GAS PRIMARILY COMPOSED OF CO AND H<sub>2</sub> FROM A CARBACEOUS STARTING MATERIAL.

Applicant : SKF STEEL ENGINEERING AB, OF P.O. BOX 202, S-813 00 HOFORS, SWEDEN, A SWEDISH COMPANY.

Inventors : (1) LARS BENTELL, (2) GÖRAN MATHISSON, (3) BJÖRN HAMMARSKOG.

Application No. 987/Mas/85 filed December 9, 1985.

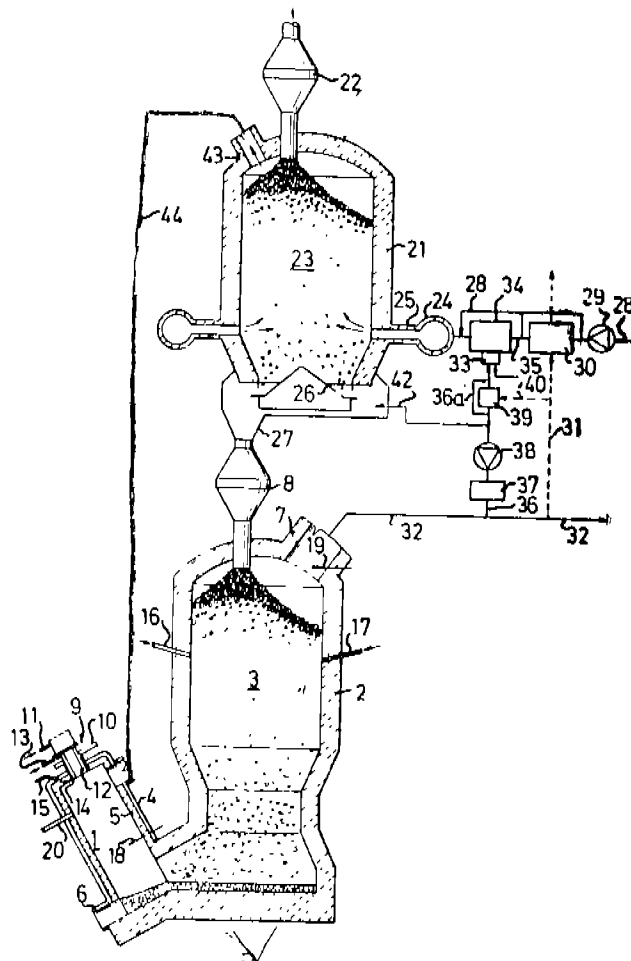
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

16 Claims

A method for the production of a gas primarily composed of CO and H<sub>2</sub> which comprises :

carbonising a carbonaceous starting material in lump form selected from anthracite, bitumen containing coal and/or lignite and/or peat briquettes in a carbonisation furnace in the presence of a known oxidant at a temperature of 600 to 1000°C;

feeding the reactive coke thus obtained through a gas-tight lock system into a carburisation furnace, the hot gas obtained in the carbonisation furnace is fed through a plasam generator to a vaporization chamber along with finely divided carbonaceous starting material for vaporization and partial combustion to produce a gas mixture, passing this gas mixture through the carburisation furnace to obtain a product gas having 0-10% CO<sub>2</sub> and H<sub>2</sub>O and 100 to 90% CO and H<sub>2</sub>.



Compl. specn. 16 pages

Drg. 1 sheet

Int. CLASS<sup>4</sup>: F 16 C 33/00

166564

9 Claims

**THE PROCESS FOR THE PRODUCTION OF A BEARING.**

Applicants: (1) AE PLC, OF CAWSTON HOUSE, CAWSTON RUGBY, WARWICKSHIRE CV22 7SB, ENGLAND; A BRITISH COMPANY AND, (2) DRESSER INDUSTRIES INC., OF 1600 PACIFIC AVENUE, DALLAS, TEXAS 75201, UNITED STATES OF AMERICA, A U.S. COMPANY.

Inventors: (1) JOSEPH FRANCIS WARRINER, (2) WARREN E. SNYDER.

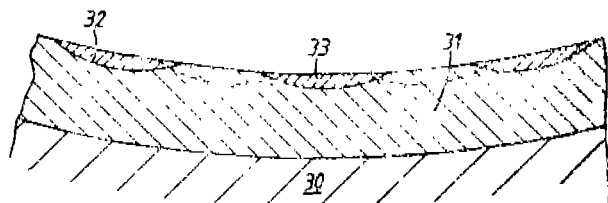
Application No. 1007/Mas/85 filed December 16, 1985.

Convention date: January 5, 1985; (No. 8500282; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

**11 Claims**

A Process for the production of a bearing having a relatively harder bearing material selected from the group comprising aluminium-based alloys and copper-based alloys with a relatively softer overlay alloy selected from the group comprising lead-based alloys and tin-based alloys thereon and said bearing being suitable for sustaining high loads, the process comprising the steps of introducing indentations of from 0.01 mm to 0.05 mm in depth into the surface of the relatively harder bearing material by peening or embossing, depositing on the indented surface of the relatively harder bearing material a metal interlayer selected from the group of materials comprising nickel, nickel alloys, copper, copper alloys, silver and silver alloys, depositing a layer of an overlay alloy onto the interlayer and machining the bearing surface to a required dimension.



Compl. specn. 19 pages

Drg. 7 sheets

Int. CLASS<sup>4</sup>: C 09 K 3/14

166565

**A PROCESS FOR MANUFACTURING AN ALUMINA ZIRCONIA ABRASIVE GRAIN COMPOSITION.**

Applicant: CARBORUNDUM UNIVERSAL LIMITED, AN INDIAN COMPANY OF 28 RAJAJI ROAD, P.B. NO. 1677, MADRAS-600 001, TAMIL NADU, INDIA.

Inventor: NARASIMHAN MANOHAR and PANAGADAN CHERUVARI SURENDRANATH.

Application No. 1009/Mas/85 filed 17th December, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

A process for manufacturing an alumina zirconia abrasive grain composition comprising the steps of making a mixture of 1 to 10% by wgt. of zirconium dioxide, 1 to 5% wgt. of carbonaceous reductant, 1 to 5% by wgt. of alloying material and the remaining is calcined bauxite;

fusing the so formed mixture in a furnace at a temperature of 2000°C to 2500°C and colling the obtained mass and broken to lumps, converting to abrasive grains by any known manner,

Compl. specn. 7 pages

Drg. Nil

Int. CLASS<sup>4</sup>: B 29 D 7/01

166566

**PROCESS FOR MANUFACTURING AN ABRASION-RESISTANT POLYESTER FILM.**

Applicant: HOECHST AKTIENGESellschaft, OF 6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

Inventor: HERMANN DALLMANN; WERNER SCHAEFER; WOLFGANG GAWRISCH; HARTMUTHENSEL.

Application No. 1023/Mas/85 filed 24th December 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

**4 Claims**

A process for manufacture of an abrasion resistant polyester film comprising:

(i) mixing:—

(1) a molten thermoplastic polymer which has been modified with from 0.005 to 5.0 per cent by weight, based upon the total weight of said polymer, the crosslinked organic particles having a grain size distribution of from 0.01 to 5.0  $\mu$ m and a quotient of the weight average particle diameter and the number average particle diameter 1.1 or less with

(2) from 0.01 to 10.0 per cent, based upon the weight of the polyester, of a nucleating agent selected from the group consisting of alkali metal salts of ester waxes, alkaline earth salts of ester waxes, alkaline earth salts of partially saponified ester waxes, alkali metal salts of partially saponified ester waxes, ionic copolymers of ethylene and alkali salts of methacrylic acid, alkali salts or alkaline earth salts of saturated or unsaturated fatty acids, such as sodium oleate, alkali salts of phenol sulfonic acid, alkaline earth carbonates, and alkaline earth oxides;

(ii) extruding the mixture thus obtained through a slot die, thereby forming a sheet-like extrudate;

(ii) extruding the mixture thus obtained through a slot thereby forming cast sheet;

(iv) orienting said cast sheet in at least one direction, thereby forming oriented film; and

(v) heat-setting said oriented film at a temperature from 150° to 240°C.

Compl. specn. 20 pages

Drg. Nil

Int. CLASS<sup>4</sup> : B 23 B 51/00

166567

**A DRILL HOLDER.**

Applicant : WIDIA (INDIA) LIMITED, 8/9TH MILE, TUMKUR ROAD, BANGALORE-560 073, KARNATAKA, INDIA. A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

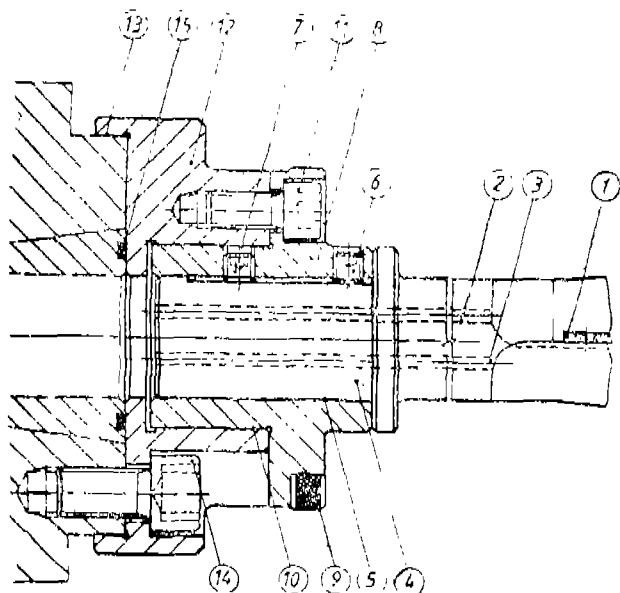
Inventors : (1) HET RAM GUPTA (2) PUTTIGE, RAMADAS, (3) DAMODARAN SOUNDARARAJ.

Application No. 1/Mas/86 filed January 1, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

**5 Claims**

A drill holder comprising an adaptor for being mounted on a drive spindle or tool post, the adaptor having an eccentric bore with respect to the fixing or locating diameter; a tool holder for receiving and fixing a tool therein the tool holder having an eccentric bore with respect to its outer diameter and being accommodated within the adaptor and fixed thereto, whereby on rotation of the tool holder (with tool) by an angle  $\delta\theta$  with respect to the centre A as herein defined, in one direction or the other, the radius R as herein defined increases or decreases by  $\delta R$ .



Compl. specn. 9 pages

Drg. 6 sheets

Int. CLASS<sup>4</sup> : B 01 J 23/72; 23/06

166568

**A PROCESS FOR THE RECOVERY OF COPPER IN ELEMENTAL FORM AND ZINC AS ZINC SULPHATE FROM LOW TEMPERATURE CARBON MONOXIDE SPENT CATALYST.**

Applicant : SOUTHERN PETROCHEMICAL INDUSTRIES CORPORATION LTD., 97, MOUNT ROAD, MADRAS-600 032, TAMIL NADU, INDIA, AN INDIAN COMPANY.

Inventor : PARTHASARATHY SRIDHAR.

Application No. 20/Mas/86 filed January 15, 1986.

Complete Specification left : March 3, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims. No drawing.

In a process for the recovery of copper in elemental form and zinc as zinc sulphate from low temperature carbon monoxide spent catalyst containing mainly copper and zinc the catalyst being employed in the synthesis gas preparation of ammonia and hydrogen by steam reforming of naphtha or natural gas, the steps of grinding the spent catalyst and digesting the same with sulphuric acid in a digester;

filtering the digested catalyst to remove solid undigested matter electrolysing the said filtrate in a known manner to separate elemental copper at the cathode and recycling the spent electrolyte to the digester; and

repeating the process of digesting, filtering and electrolysing until the spent electrolyte is rich in zinc sulphate.

Prov. specn. 6 pages

Compl. specn. 9 pages.

Int. CLASS<sup>4</sup> : B 60 T 11/16

166569

**PRESSURE CYLINDER FLANGE ATTACHMENT.**

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor : WILLIAM JOHN PETER CONSTANCE.

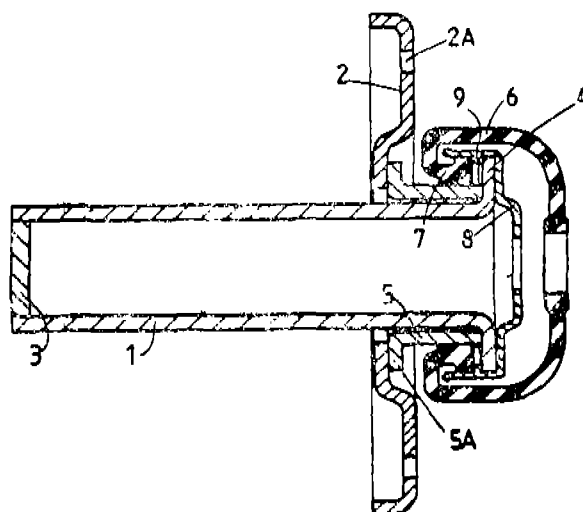
Application No. 21/Mas/86 filed January 16, 1986.

Convention date : January 17, 1985; (No. 8501137; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

**15 Claims**

A method of making a pressure cylinder having a metal tube and a surrounding flange like body comprising the steps of providing an abutment at a desired location on the said metal tube, placing the said flange like body in surrounding relationship to the tube and moving it along the tube to a position in which it is spaced from the said abutment by an interposed spacer element engaging said abutment and effecting a securing operation between at least the spacer element and the tube.



Compl. specn. 12 pages

Drg. 2 sheets

Int. CLASS<sup>4</sup> : B 60 L 5/00

166570

**TROLLEYBUS CURRENT COLLECTOR SYSTEM.**

Applicant : AVTOKOMBINAT, OF 20. BOUL. Hr. BOTEV, PLOVDIV, BULGARIA, AN ECONOMIC CORPORATION ORGANISED UNDER THE LAWS OF BULGARIA.

Inventors : (1) EMANUIL STEFANOV GAYDAROV, (2) KOYTCHO YANKOV RUSSEV, (3) VASSIL ASSENOV PALTCHIN, (4) IVAN TRIFONOV STOILOV.

Application No. 24/Mas/86 filed January 26, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

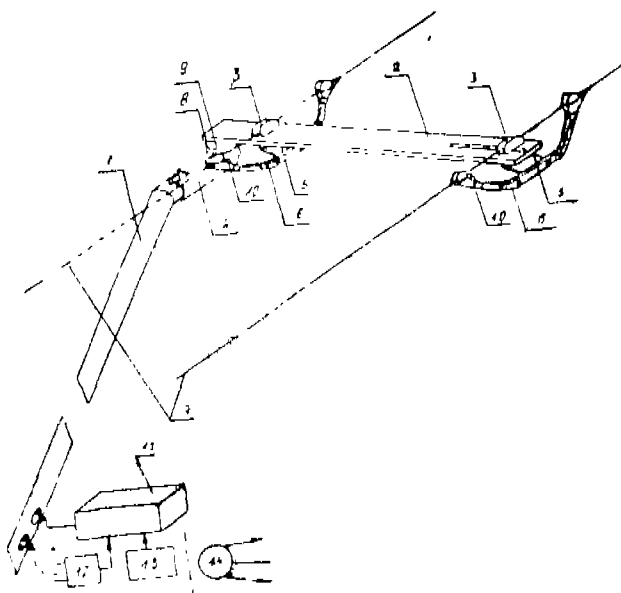
**7 Claims**

A trolleybus current collector system which consists of :

a trolley pole, which is attached movably with its bottom part to the trolleybus, while its top part is connected to an insulated carrier onto which there are arranged current collector slide blocks, wherein the pole (1) is connected to the outer end, with respect to the direction of driving, of the carrier (2) by means of a compression body (4), and the outer current collector slide block (3) is mounted rigidly to the carrier (2), while the inner current collector slide block 3 is mounted movably in longitudinal direction with respect to the carrier (2), and to each current collector slide block (3) there is mounted by means of a respective internally diagonal deflector (5) a current-carrying bridge (6);

the compression body (4) is fastened to the pole (1) parallelly to the supply line (7) and to it there is mounted a rocking unit 8 with fixing module 9, which is connected to the outer end of the carrier (2); and

in the front part of each current-carrying bridge (6) there is mounted an elongating mechanism (10), the control input of which is connected to the output of a control block (11), the first information input of which is connected via a transducer for direction (12) to the supply line (7), while its second information input is connected to the output of a ray identifier (13), which is disposed frontally on the trolleybus, and immediately near the ray identifier (13) there is disposed a ray emitter (14).



Compl. specn. 16 pages

Drg. 6 sheets

Ind. CLASS : 172 D<sub>8</sub>-[XX]

166571

Int. Cl.<sup>4</sup> : D 01 H 7/882; 7/892.**AN OPEN END SPINNING APPARATUS AND PROCESS.**

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, WEST GERMANY, A GERMAN COMPANY.

Inventors : (1) KARL HANDSCHUCH, (2) ERICH BOCK.

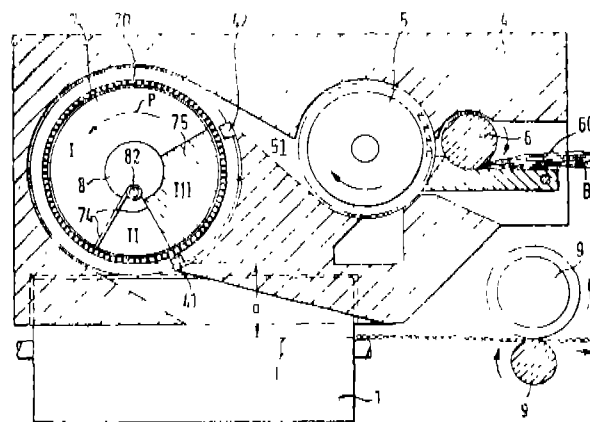
Application No. 934/Mas/85 filed November 20, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

**27 Claims**

An open-end spinning apparatus comprising :

a separating device, two closely adjacent friction rollers drivable in the same direction and forming a nip in which the fibres are twisted together into a thread, and a thread draw-off device characterised by a collecting surface moving in the thread drawing-off direction and conveying the fibres to the nip area and a narrow separating device is connected in front of the collecting surface.



Compl. specn. 23 pages

Drg. 5 sheets

Int. CLASS<sup>4</sup> : B 28 B 7/02

166572

**METHOD AND APPARATUS FOR MANUFACTURING ELONGATE CONCRETE MEMBERS.**

Applicant : NIPPON KOGEN CONCRETE CO., LTD., OF 21-1 NISHI-SHINJUKU 1-CHOME SHINJUKU-KU, TOKYO, JAPAN, A JAPANESE COMPANY.

Inventors : (1) GENJI ABE, (2) TIMOYOSHI NAKAJO.

Application No. 64/Mas/86 filed January 30, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 3 Claims

A method of manufacturing elongate concrete members comprising the steps of :

charging concrete into an elongate concrete member production mold;

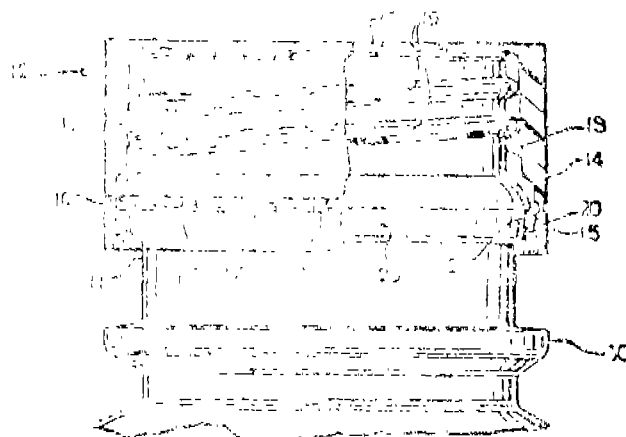
primarily curing the charged concrete until it acquires a sufficient mechanical strength to release it from the mold;

releasing the primarily cured concrete from the mold to use the separated mold for charging new concrete therinto for primary curing, secondarily curing eventual elongate concrete member released from the mold until it acquires a sufficient mechanical strength to prestress it, and prestressing the secondarily cured eventual elongate concrete member.

Compl. specn. 17 pages;

Drg. 6 sheets

said stop ring adapted to engage beneath an element of the container and prevent the ring from passing the container element after assembly of the closure on a container.



Compl. specn. 12 pages

Drg. 3 sheets

Int. CLASS<sup>4</sup> : B65D 41/000: 55/02

166573

#### A SCREW CAP FOR CLOSING THE OPEN UPPER FINISH OF A CONTAINER.

Applicant : OWENS-ILINOIS CLOSURE INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF OHIO, OF ONE SEAGATE, TOLEDO, OHIO 43666, U.S.A.

Inventors: (1) JAMES LEWIS GREGORY, (2) STEVEN RONALD WOLFE.

Application No. 84/Mas/86 filed February 6, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 4 Claims

A screw cap for closing the open upper finish of a container comprising :

a generally disc-shaped top with an integral, cylindrical, depending skirt, a generally cylindrical flexible, indicating band attached to the annular bottom of said skirt by a plurality of circumferentially spaced, frangible bridging members, a full annular stop ring formed integrally with the indicating band and attached to the interior thereof;

said stop ring being positioned inwardly and upwardly with respect to the interior of said indicating band, an integral downwardly curved hinge portion extending radially inwardly and axially downwardly from the inside portion of said band to said stop ring;

the upper edge of said stop ring being thicker than the lower end which is connected to said curved hinge portion said hinge portion having a hinge point spaced from the inside of said band such that the lower edge of said stop ring is spaced from the inside surface of said band and said upper edge of said stop ring can deflect flexing into contact with the inner surface of said band during application of said closure to said container; and

Int. CLASS<sup>4</sup> : G 05 B 15/00

166574

#### A MICROPROCESSOR CONTROLLER FOR INVERTER SYSTEM.

Applicant : KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION LTD. (ELECTRONICS RESEARCH AND DEVELOPMENT CENTRE), A COMPANY REGISTERED UNDER THE INDIAN COMPANIES ACT, 1956, OF KELTRON HOUSE, VELLAYAMBALAM, TRIVANDRUM-695 033, KERALA, INDIA.

Inventors : (1) R. RAVINDRA KUMAR, (2) K. E. EAPEN.

Application and provisional specification No. 72/Mas/86 filed February 3, 1986.

Complete specification left on 4th May, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 2 Claims

A microprocessor controller for inverter system comprising :

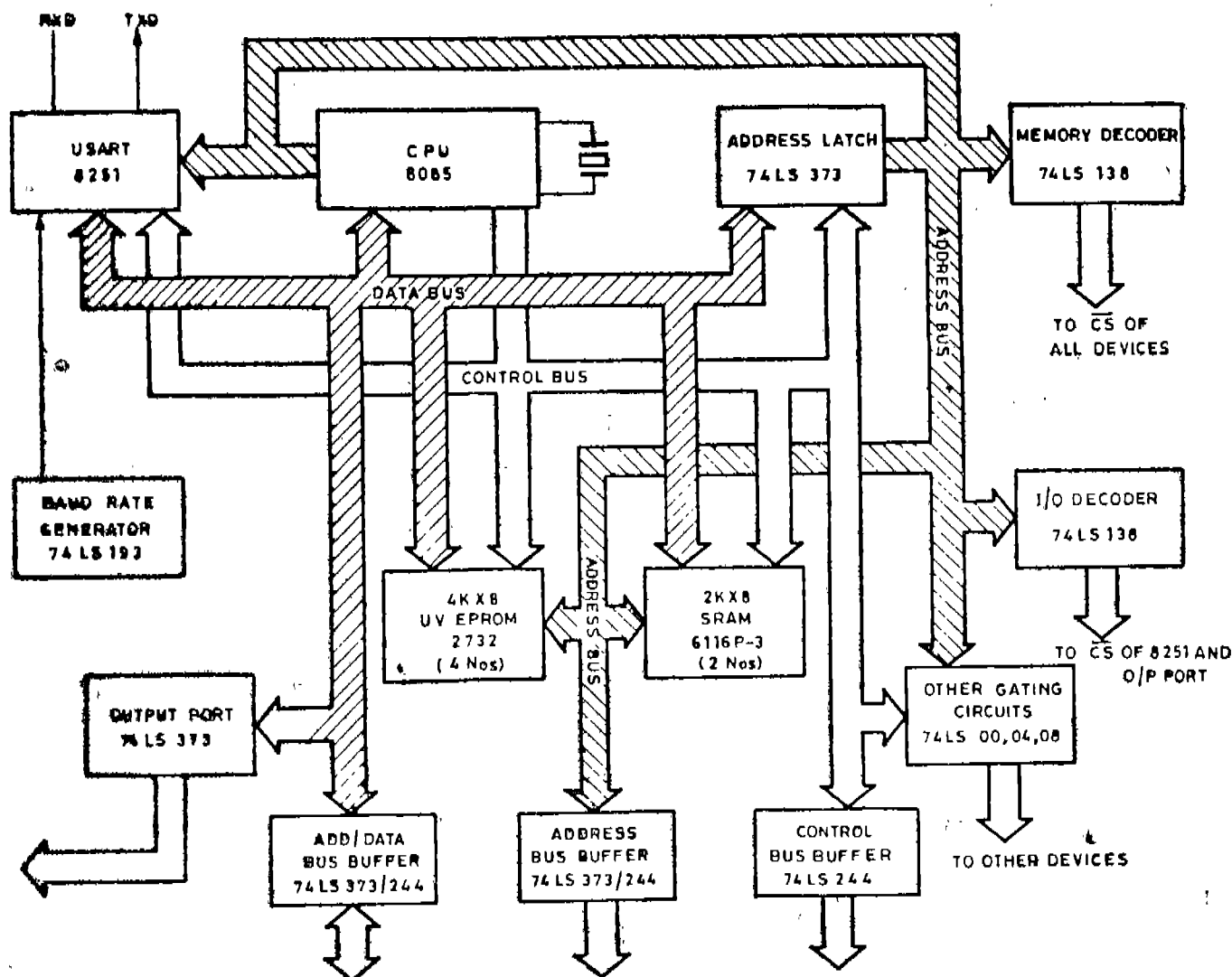
a CPU and a memory PCB having RAM, EPROM, serial communication—USART, I/O and memory decoders, baud rate generator, address latches, data, address and control bus buffers, gating circuits;

I/O PCB I, I/O PCB II, buffer PCB;

driver PCBs; and

RS 232-C PCB interface, the said CPU communicating with the PCB's by means of buffered lines of address data and control bus, the PCBs themselves

being interconnected through wire wrapping at the PCB connectors.



Prov. specn. 13 pages;  
Compl. specn. 16 pages

Drg. 8 sheets

Int. CLASS<sup>4</sup> : B 60 T 15/36

166575

#### BRAKE PRESSURE CONTROL VALVE.

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor : DESMOND HENRY JAMES REYNOLDS.

Application No. 119/Mas/86 filed February 20, 1986.

Convention date : February 22, 1985; (No. 8504636; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 9 Claims

A brake pressure control valve for use on a vehicle having a pressurized fluid self-levelling suspension system, the valve comprising :

a valve body;

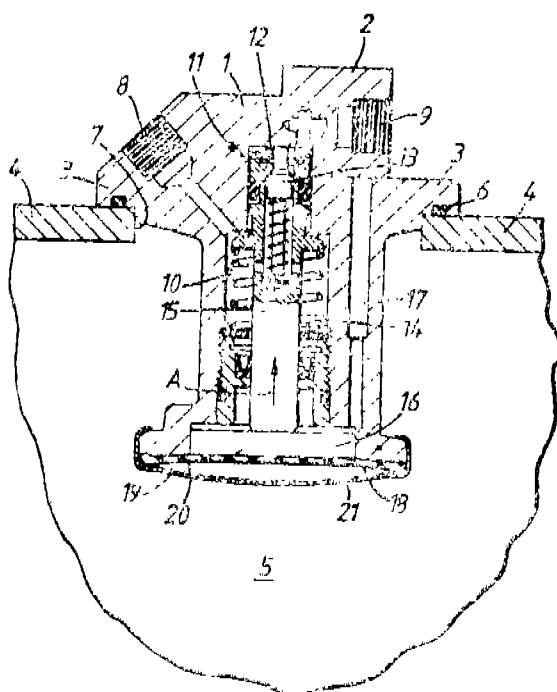
a valve set consisting of a combination of valve seat and valve closure located within the valve body to control communication between an inlet connectable to a source of braking actuating fluid and an outlet connectable to a brake actuator; and

a control member, exposed to the pressure prevailing within a control chamber defined within the valve body, and coupled to the said valve set to render operation of the valve set dependent upon the pressure prevailing within the control chamber, wherein the valve body is sealingly secured to the wall of a pressure chamber of the suspension system to close an aperture in the wall whereby a portion of the exterior surface of the control valve is exposed to the pressure prevailing within the pressure chamber; and

wherein a small orifice provides fluid pressure communication between the control chamber and a point on the surface of the control valve which, in use,



is exposed to the pressure prevailing within the pressure chamber.



Compl. specn. 8 pages

Drg. 1 sheet

Int. CLASS<sup>4</sup>: B 25 B 13/46

166576

#### REVERSIBLE RATCHET WRENCH.

Applicant : EDUARD WILLE GMBH CO., OF LINDE-NALEE 27, D-5600 WUPPERTAL 12, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

Inventor : KLAUS NEUHAUS.

Application No. 125//Mas/86 filed February 24, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 11 Claims

Reversible ratchet wrench comprising :

- a housing (10) with a head portion (12) and a handle portion (14);
- a driving member (16) arranged for coupling with a tool which is rotatably mounted in the head portion (12);
- a ratchet wheel (18) provided on the driving member (16) for rotation about its axis;
- a pawl member (20) engaging the ratchet wheel (18) and arranged for rotary movement in the housing (10) between two end positions;
- said pawl member (20), in a first one of its two end positions, locking the ratchet wheel (18) against rotation in a first rotary direction relative to the housing (10) and permitting rotation of the ratchet wheel (18) in a second rotary direction opposite to said first rotary direction, said pawl member (20), in a second one of its two end positions, locking the ratchet wheel (18) against rotation in the second rotary direction relative to the housing (10) and permitting rotation of the ratchet wheel (18) in the first rotary direction;
- a detent spring (24) by which the pawl member (20) is held resiliently in the first end position and the second end position;

a change-over finger (26) extending in the interior of the housing (10) into the handle portion (14), and having a first end (28) engaging the pawl member (20) for rotating the pawl member (20) from one of its two end positions into the other one of its two end positions;

a change-over device (30) disposed on the handle portion (14) and engaging the change-over finger (26) for changing over the change-over finger (26) and thereby rotating the pawl member (20) from one of its two end positions into the other one of its two end positions;

wherein the change-over finger (26) assumes a first position and a second position inside the housing (10), said first end (28) of said change-over finger (26), in said first position of said change-over finger (26) inside the housing (10), engaging the pawl member (20) in its first end position, said first end (28) of said change-over finger (26), in said second position of said change-over finger (26) inside the housing (10), engaging the pawl member (20) in its second end position;

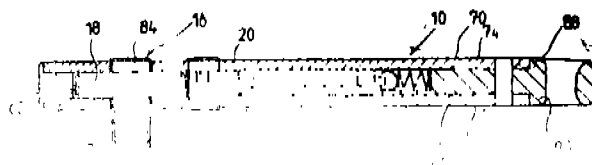
the detent spring (24) engages a second end (32) of the change-over finger (26) remote from its first end (28) and the pawl member (20) in order to engage the first end (28) of the change-over finger (26) with the pawl member (20);

the change-over device (30) comprises an actuator (34) slidably guided transversely to the handle portion (14);

said actuator (34) being slidably movable transversely to the handle portion (14) and thereby pivoting the change-over finger (26) between its first and second positions;

the change-over finger (26), when pivoted into said first position under the action of the actuator (34), resiliently holding with its first end (28) and pawl member (20) in its first end position under the action of the detent spring (24) on the second end (32) of the change-over finger (26); and

the change-over finger (26), when pivoted into said second position under the action of the actuator (34), resiliently holding with its first end (28) the pawl member (20) in its second end position under the action of the detent spring (24) on the second end (32) of the change-over finger (26).



Compl. specn. 23 pages

Drg. 1 sheet

Int. Cl.<sup>4</sup>: A 47 J 42/38.

166577

#### AN IMPROVED TILTABLE WET GRINDER.

Applicant & Inventor : VIJAY BALRAM RAMNANI C/O BALCO ENGINEERING, "RATNA PLACE", NO. 726 C. M. H. ROAD, INDIRANAGAR, BEHIND CHINMAYA HOSPITAL, BANGALORE-560 038, KARNATAKA, INDIA, INDIAN NATIONAL.

Application No. 198/Mas/86 filed March 18, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

#### 3 Claims

An improved tiltable wet grinder comprising :

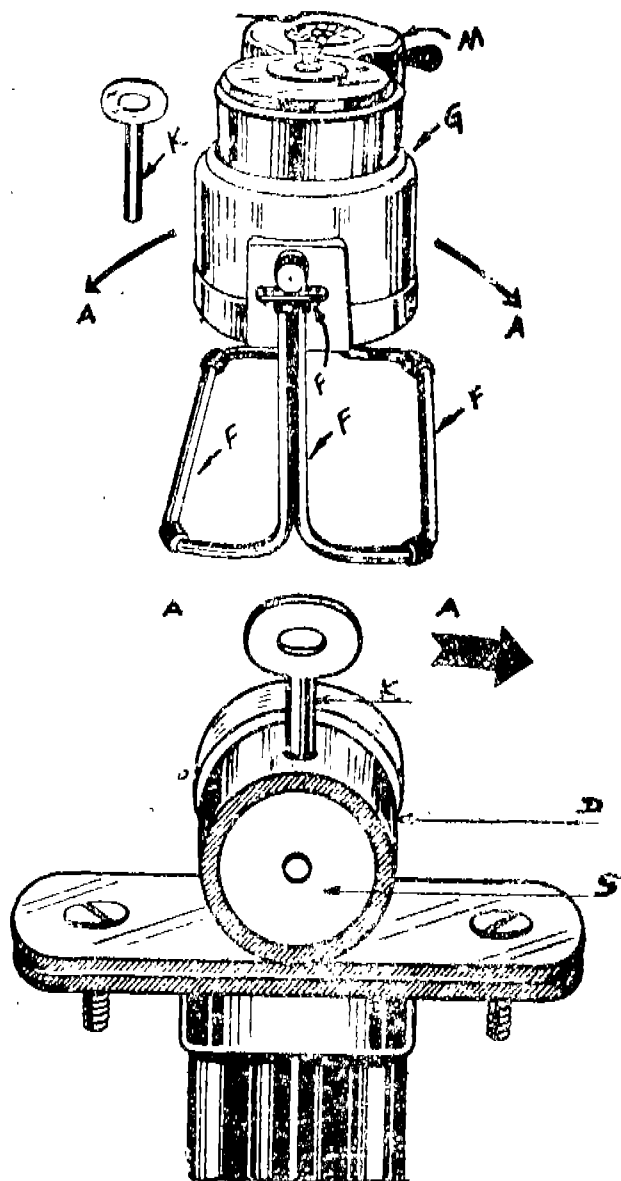
- an assembly of a grinder and motor;
- the said assembly being tiltable mounted on a supporting frame;

characterised in that a cylindrical stub is rigidly attached to the outer periphery of one of the lateral ends of the said assembly;

the said stub being rotatably received within a cylindrical sleeve rigidly attached to the framework;

the said stub and sleeve having slots capable of alignment only when the assembly is in the vertical (or untilted) position;

such that the said stub and sleeve are lockable together in such position by a key insertable into the aligned slots, the assembly being tiltable whenever the key is withdrawn from the aligned slots.



Compl. specn. 6 pages.

Drg. 1 sheet

Int. Cl.<sup>4</sup> : A 45 D 33/16.

166578

A DEVICE FOR PERMITTING CONTROLLED EMISSION OF VOLATILE SUBSTANCES.

Applicant : RECKITT & COLMAN AG. A SWISS COMPANY, OF WEBERGASSE 34, 4005 BASLE, SWITZERLAND.

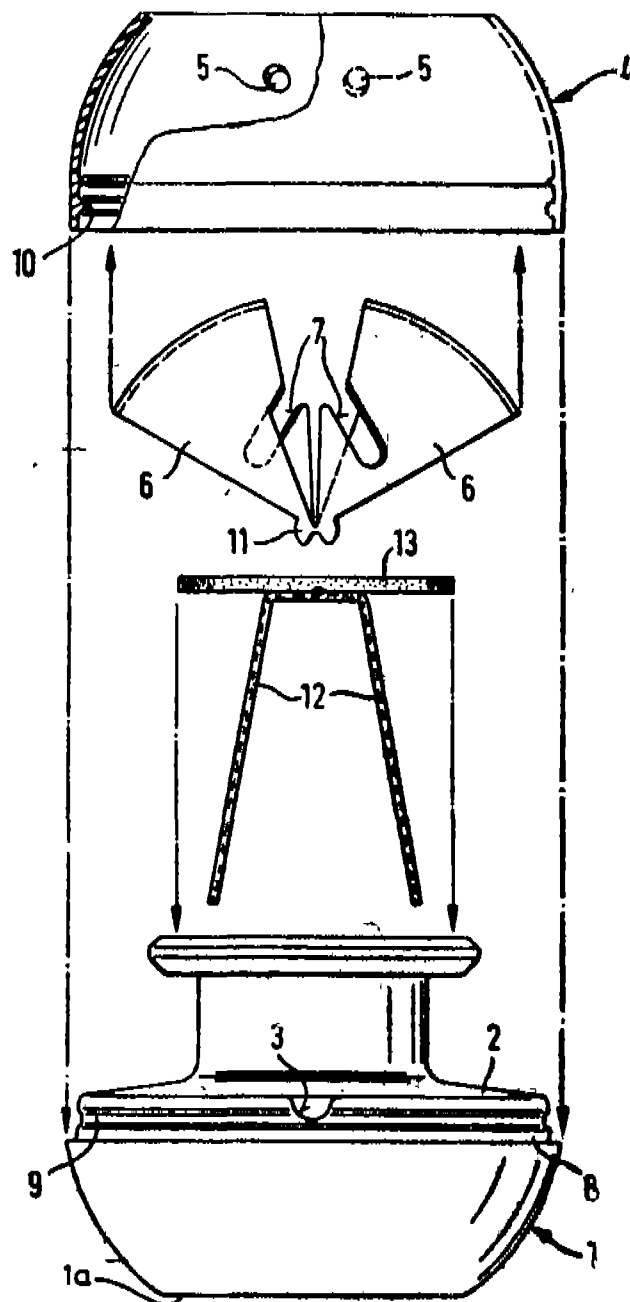
Inventors : (1) YVES JOYAUX (2) JEAN PIERRE MANDON.

Application No. 307/Mas/86 filed April 23, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A device for permitting controlled emission of a volatile substance from a fluid in a container comprises a container (1) which has an annular ledge (2) provided with recesses (3) at opposite sides of its circumference, a frusto-dome shaped hood (4) located on the container (1), which hood (4) has two studs (5) on opposite sides of its inner wall, and emission control means within the hood (4), which emission control means comprising two shutters (6) movable with respect to each other and having slots (7) in which the studs (5) are located wherein on rotation of the hood (4) relative to the container (1) the studs (5) move at an angle to the centre lines of the slots (7) to cause the surfaces to vary the size of the opening in the hood.



Compl. specn. 8 pages.

Drgs. 4 sheets

Int. Cl.<sup>4</sup> : H 02 K 1/00; 3/00

166579

4 Claims

AN IMPROVED ALTERNATOR FOR USE IN AUTOMOBILES AND THE LIKE.

Applicant : KERALA ELECTRICAL & ALLIED ENGINEERING CO. LTD., KUNDARA-691 501, QUILON DISTRICT, KERALA, INDIA, A GOVERNMENT OF KERALA UNDERTAKING.

Inventor : V. SREENIVASAN.

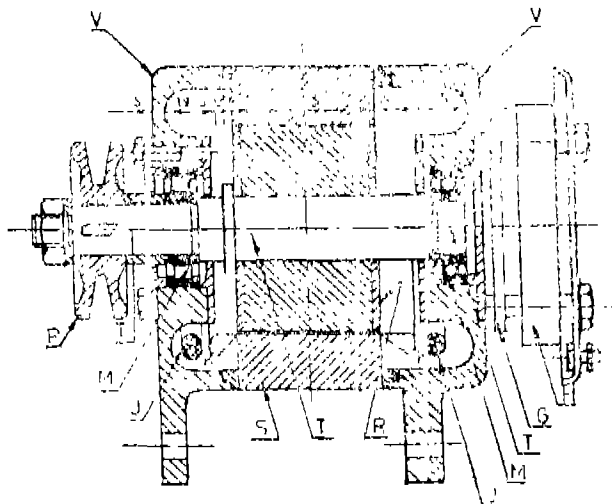
Application No. 916/Mas/86 filed November 28, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

An improved alternator for use in automobiles and the like comprising :

- a stator enclosing a shaft-mounted rotor;
- the stator core having alternately disposed slots and teeth;
- the slots housing an a.c. coil winding, wherein at least one d.c. field coil winding, excitable by a d.c. source, is housed in the stator, to produce a radial-unidirectional flux; and
- a stack of laminations forming a periphery of alternately disposed teeth and gaps constituting a rotor without winding whereby, during operation, the rotor teeth and gaps alternately moving across the unidirectional flux produce a pulsating magnetic field inducing an alternating emf in the a.c. coil winding.



Compl. specn. 11 pages.

Drgs. 2 sheets

Int. Cl.<sup>4</sup> : B 62 K 21/02.

166580

FRONT WHEEL FORK MOTOR CYCLES.

Applicant : KABUSHIKI KAISHA SHOWA SEISAKUSHO, OF 6-20, YAESU 2-CHOME, CHUO-KU, TOKYO, JAPAN A CORPORATION OF JAPAN.

Inventor : KIYOTO KOYAMA.

Application No. 456/Mas/87 filed June 23, 1987.

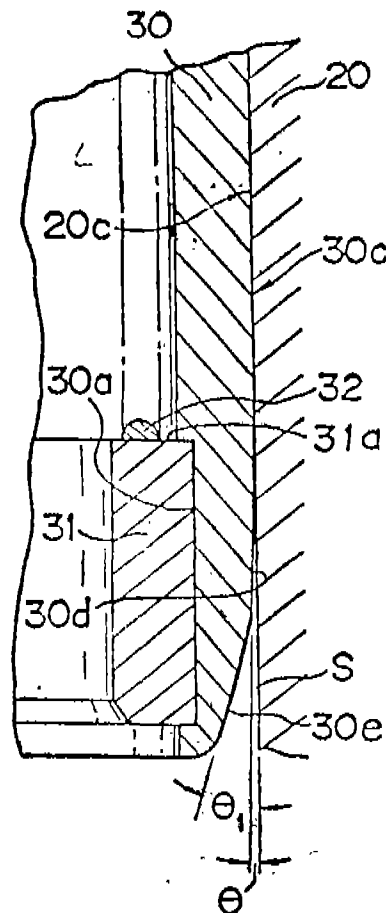
Divisional to Patent Application No. 161439 (542/Mas/84) Ante-dated to July 25, 1984.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

A front wheel fork for a motorcycle, comprising :

at least a bottom case and a fork pipe telescopically fitted in said bottom case;

said fork pipe having on an outer periphery of a lower end thereof a tapered surface lying at an angle ranging from 3° to 6° to an inner wall surface of said bottom case.



Compl. specn. 9 pages.

Drg. 1 sheet

Ind. Cl. : 32 F<sub>2</sub> (b), 32 F<sub>1</sub>.

166581

Int. Cl.<sup>4</sup> : C 07 D 233/72.

A PROCESS FOR THE PREPARATION OF A BIOLOGICALLY-ACTIVE TETRACYCLIC SPIRO HYDRANTOIN DERIVATIVE.

Applicant : PFIZER INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATES OF NEW YORK. UNITED STATES OF AMERICA.

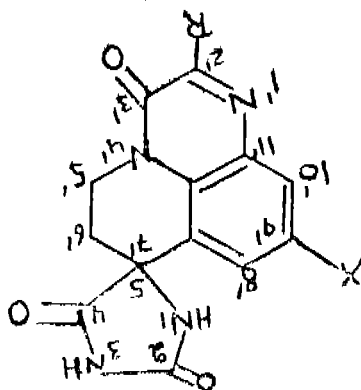
Inventor : RODNEY COUGHREN SCHNUR.

Application for Patent No. 552/Del/85 filed on 15th July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 3 Claims

A process for the preparation of a biologically-active tetra-cyclic spiro hydantoin derivative having the general formula I



of the drawings and the pharmaceutically-acceptable acid addition salts thereof; wherein X is hydrogen, fluorine, chlorine or methyl; and R is selected from hydrogen, (C<sub>1</sub>-C<sub>6</sub>) alkyl, (C<sub>2</sub>-C<sub>6</sub>) alkenyl, (C<sub>3</sub>-C<sub>7</sub>) cycloalkyl, benzyl, 4-hydroxybenzyl, pyridyl, HSCH<sub>2</sub>-, CH<sub>3</sub>SCH<sub>2</sub>-, CH<sub>3</sub>

SCH<sub>2</sub>CH<sub>2</sub>-,

FCH<sub>2</sub>-, HOCH<sub>2</sub>-,

CH<sub>3</sub>CH(DH)-, CH<sub>3</sub>CH (DH) CH<sub>2</sub>-, HODCCCH<sub>2</sub>-,

HODCCCH<sub>2</sub>CH<sub>2</sub>-,

H<sub>2</sub>NCOCH<sub>2</sub>-,

H<sub>2</sub>NCOCH<sub>2</sub>

CH<sub>2</sub>-, H<sub>2</sub>

NCH<sub>2</sub>CH<sub>2</sub>

CH<sub>2</sub>CH<sub>2</sub>-,

H<sub>2</sub>NCNH-CH<sub>2</sub>

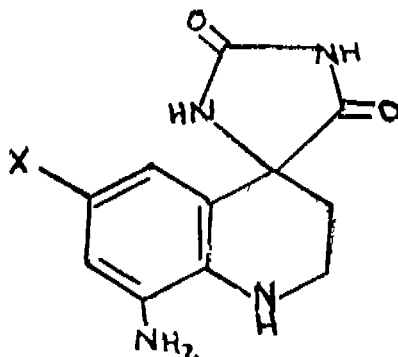
CH<sub>2</sub>CH<sub>2</sub>-,

radical 1 of the drawings, radical 2 of the drawings CODC<sub>2</sub>H<sub>5</sub>, phenyl or substituted phenyl wherein the substituent is chlorine, fluorine, bromine, hydroxy, methyl, methoxy, trifluoromethyl, -COCH<sub>3</sub>, -N(CH<sub>3</sub>)<sub>2</sub>.

SCH<sub>3</sub>, -SOCH<sub>3</sub>, SO<sub>2</sub>

CH<sub>3</sub>, CODH, -CONH<sub>2</sub>,

CODCH<sub>3</sub> or -CON Alk, wherein Alk is lower alkyl having 1 to 6 carbon atoms; said process comprises reacting an amine having the formula II



of the drawings wherein x is as defined above with a derivative such as  $\alpha$ -keto acid, ester or salt of the formula R-C-CUUM wherein R is as defined above and M is hydrogen, (C<sub>1</sub>-C<sub>4</sub>) alkyl or an alkali metal, in the presence of an acid catalyst such as herein described.

Compl. specn. 31 pages

Drg. 7 sheets

Int. CLASS<sup>4</sup> : C09K 19/12

166582

## LIQUID CRYSTAL COMPOSITIONS.

Applicant : THE SECRETARY OF STATE FOR DEFENCE IN HER BRITANNIC MAJESTY'S GOVERNMENT OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND, A BRITISH CORPORATION SOLE OF WHITEHALL LONDON SW1A 2HB ENGLAND AND BDH CHEMICALS LTD. OF BROOM ROAD, POOLE, DORSET BH12 4NN, ENGLAND, BRITISH COMPANY.

Inventor(s) : MADELINE JOAN BRADSHAW, EDWARD PETER RAYNES, DAVID IAN BISHOP, IAN CHARLES SAGE & JOHN ANTHONY JENNER.

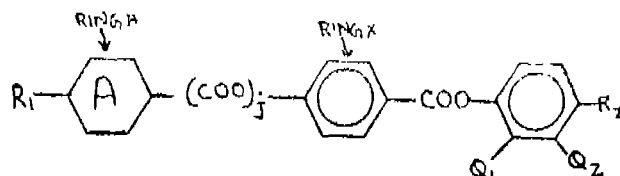
Application for Patent No. 53/Del/86 filed on 20th January, 1986.

Convention date January 22, 1985/8501509/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 8 Claims

A liquid crystal composition having a ferroelectric smectic phase comprising 50-90% by weight of compound of formula I of the drawings wherein ring A represents ring



X or ring Y, R<sub>1</sub> represents C<sub>8</sub> to C<sub>12</sub> alkyl or alkoxy, j is 0 or 1, R<sub>2</sub> represents C<sub>8</sub> to C<sub>12</sub> alkyl or alkoxy, one of Q<sub>1</sub> and Q<sub>2</sub> is fluorine and the other is hydrogen, provided that when j is 0 and ring A is ring X and both R<sub>1</sub> and R<sub>2</sub> are n-alkyl then the total number of carbon atoms in R<sub>1</sub> and R<sub>2</sub> is more than 12, and 10-50% by weight of one optically active compound as herein described.

Compl. specn. 33 pages

Drg. 10 sheets

Ind. CLASS : 163A

166583

Int. Cl.) : F04B 15/00.

## A DEVICE FOR DRIVING PISTON PUMPS.

Applicant : WIWA WILHELM WAGNER GmbH & CO. KG, OF GEWERBESTRASSE 1-3, D-6335 LAHNAU 1 WEST GERMANY, A GERMAN COMPANY.

Inventor : GUNTER LEINWEBER.

Application for Patent No. 441/Del/86 filed on 16th May, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 4 Claims

A device for driving piston pump (2) for use in the airless spraying of liquids, said piston having a reciprocal piston (4) therein, and a drive means (5) for effecting a reciprocation of said piston said device comprising :

a first rotatable shaft and first connecting means (14) for facilitating connecting of said first shaft (15) to a drive motor;

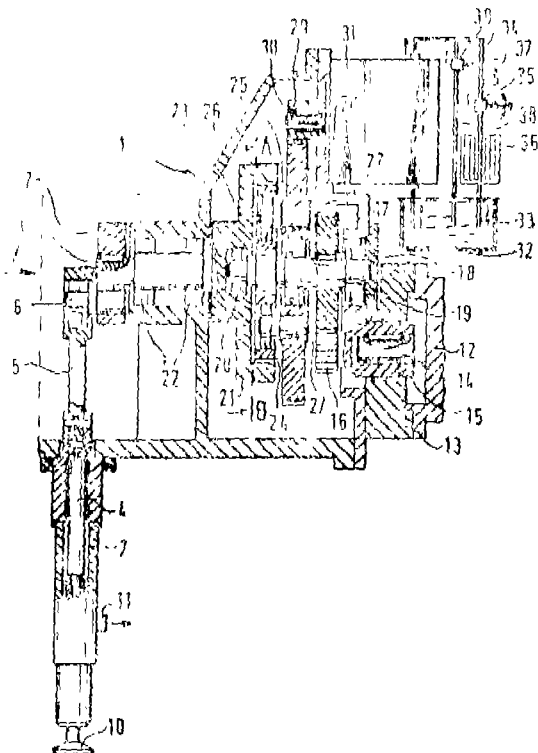
differential gear means (23, 24, 25) having a first rotatable input shaft and first (8) and second output (30) shafts, said differential gear means (23, 24, 25) including further gearing means for effecting, when a load is applied to said second output shaft (30) in response to a stoppage to a rotation of said first output shaft (8) and (2) an acceleration and deceleration in the speed of rotation of said first output shaft as the load applied thereto is decreased and increased respectively;

a second gearing means (16, 17) for connecting said first rotatable shaft (15) to said first rotatable input shaft (18);

an eccentric disk (7) connected to said first output shaft (8), a connecting rod (5) interconnecting said eccentric disk (7) to said reciprocal piston (4) for reciprocating said piston and causing an outflow of fluid from said piston pump (2);

a hydraulic circuit comprising (34) a series connected hydraulic pump (31) and adjustable throttle valve (35); and

third gearing means (28, 29) for connecting said second output shaft (30) to said hydraulic pump (31) for placing a rotation resisting load on said second output shaft so that said reciprocal piston (4) approaches its two dead (9, 9') center positions, the work performed by said position will be reduced and a force exerted by said connecting rod on said eccentric disk (7) and said first output shaft (8) will be reduced to thereby cause said first output shaft (8) to rotate faster to move said piston quickly through said dead center positions (9, 9') and the non-uniformity of said outflow of fluid from said piston pump to be reduced.



Complete specification 12 Pages

Drg. 2 sheets

Ind. Cl. : 116 B G.

166584

Int. Cl.<sup>4</sup> : G 05 D 9/00.

"A DEVICE IN A CONTAINER FOR INDUCING FLOW OF GRANULAR OR LIKE MATERIAL WITHIN THE CONTAINER AND A CONTAINER INCORPORATING SAID DEVICE".

Applicant : LINEMANN HALFLO LIMITED, A BRITISH COMPANY OF PRIORY MILL, CASTLE ROAD, STUDLEY, WARWICKSHIRE B80 7AA, ENGLAND.

Inventor : GRAHAM ROBERT HUGHES.

Application for Patent No. 502/Del/86 filed on 5 June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

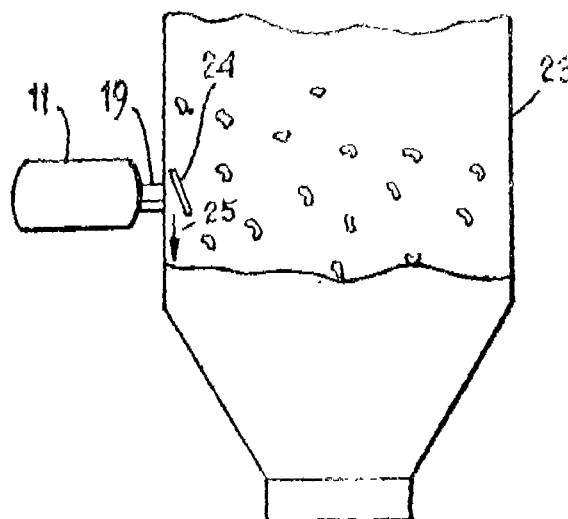
## 7 Claims

A device in a container (23) for inducing flow of granular or like material within the container (23), the device comprising :

a gas discharge opening (37) positioned in the container (23) adjacent to an interior wall thereof;

means for discharging gas (36) intermittently through the opening (37); and

a deflector (24, 44) is provided over the said opening (37) and positioned to deflect the discharge of gas downward substantially along the interior wall of the deflector (24, 44) and to prevent the material which is flowing downward in the said container (23) from entering the said opening (37), the deflector (24, 44) comprising a canopy (24) having a deflector plate (44) which is inclined at least at an angle of 15° to the axis of the said opening (37) and to the surface (26) of the container (23), the deflector plate (44) being flush with the container progressively from said (26) towards its lower end, and side plates (32, 33) which extend between the sides of the deflector plate (44) and the surface (26) of the container (23).



Compl. specn. 12 pages.

Drgs. 2 sheets

Ind. Cl. : 32-B.

166585

Int. Cl.<sup>4</sup> : C 07 B 35/04.

"PROCESS FOR THE DEHYDROGENATION OF DEHYDROGENATABLE HYDROCARBONS TO PRODUCE A DEHYDROGENATED HYDROCARBON".

Applicant : UOP INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE IN THE UNITED STATES OF AMERICA, WITH ITS PRINCIPAL PLACE OF BUSINESS LOCATED AT TEN UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINOIS 60016, U. S. A.

Inventor(s) : TAMOTSU IMAI, HAYIM ABREVAYA.

Application for Patent No. 503/Del/86 filed on 5 June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, New Delhi-110005.

### 3 Claims

A process for the dehydrogenation of dehydrogenatable hydrocarbons comprising contacting a C<sub>2</sub>-C<sub>30</sub> dehydrogenatable hydrocarbon charge stock as herein described at dehydrogenation conditions with a catalyst composite comprising a platinum group metal component, a group IV-A component and a bifurcated alkali component on a carrier material comprising 0.05 to 2 wt. % lithium and 0.05 to 3 wt. % potassium based upon the weight of the composite to produce a dehydrogenated hydrocarbon product.

Compl. specn. 24 pages.

Drgs. 2 sheets

Ind. Cl. : 32 F<sub>1</sub>; 32 F<sub>2</sub> (a); 55 E<sub>2</sub>.

166586

Int. Cl.<sup>4</sup> A 61 K 31/16.

"A PROCESS FOR THE PREPARATION OF PHENYL HYDROZONE ACETOACETAMIDE DERIVATIVES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1960).

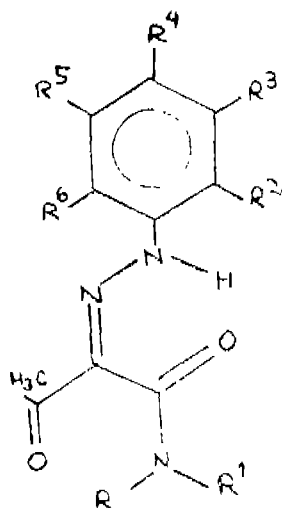
Inventor(s) : MEERA MANJAYA SHETTY, YENNU SANGIAH SADANANDAM, PRAKASH VAMANRAO DIWAN, ISUKAPALLI MARGARET, PRLHAD BALWANTROA SATTUR.

Application for Patent No. 570/Del/86 filed on 30 June, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

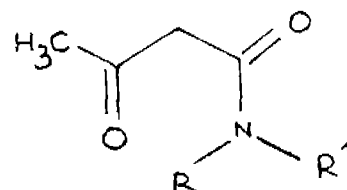
### 10 Claims

A process for the preparation of phenylhydrozoneacetamide derivatives represented by the formula (I)

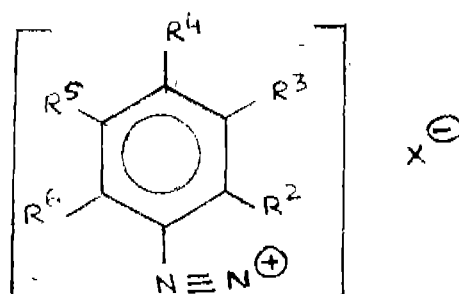


of the accompanying drawings wherein R and R<sub>1</sub> denote H or alkyl group of 1 to 6 carbon atoms, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub> and R<sub>6</sub> denote H, chloro, or any other halogen, hydroxy, nitro,

alkyl, alkoxy or alkenedioxy groups containing 1 to 6 carbon atoms, which comprises reacting N-alkyl or dialkyl acetoacetamide represented by the general formula (II)



wherein R and R<sub>1</sub> have the same meaning as given above with substituted diazonium salts of anilnes as represented by formula (III)



wherein R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub> and R<sub>6</sub> have the same meaning as given above and X denotes chloride or sulphate in a suitable solvent as herein described at a temperature ranging from 0°—5°C, the product is filtered, dried and purified by methods known perse.

Compl. specn. 12 pages.

Drg. 1 sheet

Ind. Cl. : 127 H -.

166587

Int. Cl.<sup>4</sup> : F 16 H 21/02.

"A CONNECTING DEVICE FOR A WIPER SYSTEM".

Applicant : CHAMPION SPARK PLUG EUROPE S. A. A BELGIAN CORPORATION, OF AVENUE LEOPOLD III, 2A, 7120 BINCHE, BELGIUM.

Inventor(s) : CHRISTIAN BENETEAU & ALAIN HENRION.

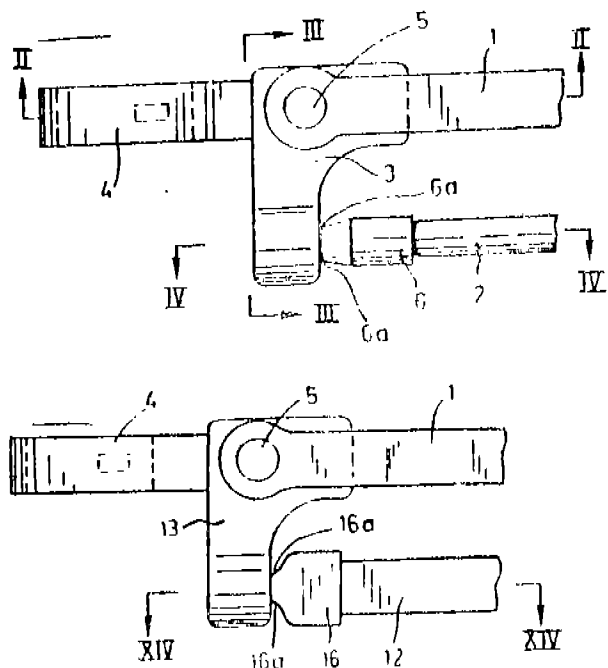
Application for Patent No. 683/Del/86 filed on 25th July, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

### 8 Claims

A connecting device for a wiper system which comprises an actuating arm (1) having a front end thereof pivotally secured to a wiper blade by a first intermediate element (3, 13), a control arm (2, 12) having a front end thereof also pivotally secured to said first intermediate element (3, 13) by a second intermediate element (6, 16) characterised in that said second intermediate element (6, 16) is an elongate mem-

ber and is flexible material and that said second intermediate element is provided in a central portion (6", 16") thereof with a substantially circular cross-section which flexes to permit universal relative movement between the control arm (2, 12) and said first element (3, 13).



Compl. specn. 11 pages.

Drgs. 4 sheets

Ind. Cl. : 134 A.

166588

Int. Cl.<sup>4</sup> : B 60 S 1/02.

"A DEVICE FOR DRIVING THE WIPER BLADES ON THE WINDSCREEN OF A MOTOR VEHICLE".

Applicant : CHAMPION SPARK PLUG EUROPE S. A. A BELGIAN COMPANY OF AVENUE LEOPOLD III, 2A, 7120 BINCHE, BELGIUM.

Inventor(s) : NORBERT GUERARD & CHRISTIAN BENETEAU.

Application for Patent No. 766/Del/86 filed on 26th August, 1986.

Divisional to Application No. 683/Del/86 filed on 25th July, 1986.

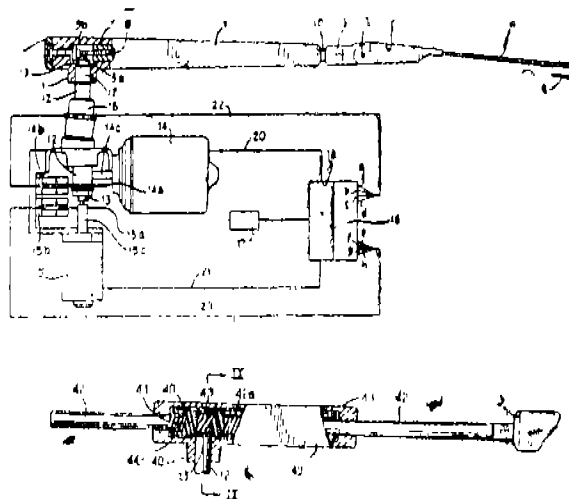
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 12 Claims

A device for driving for the wiper blades on the windscreen of a motor vehicle which comprises :

- a wiper arm (1) mounted on a first drive shaft (12);
- said wiper arm incorporated at least one element (3, 58, 68, 78) movable radially with respect to said first drive shaft;
- a first motor (14) for driving said first drive shaft and imparting thereto an oscillating movement;
- a second drive shaft (13, 15c) connected to said wiper arm (1);

a second motor (15, 53, 63) for imparting a rotational movement to said second drive shaft (13, 15c) said second drive shaft being connected to said wiper arm (1) by conventional means for converting the rotational movement imparted thereto to a radial movement whereby both oscillating and radial movements are imparted to said wiper arm and an opto-electronic system connected between said first drive shaft (12) and either the second drive shaft (13, 15c) or said element (3, 58, 68, 78) to control the radial position of said element (3, 58, 68, 78) with respect to the first drive shaft (12) as a function of the angular position of said oscillating wiper arm (1).



Compl. specn. 16 pages.

Drgs. 6 sheets

Ind. Cl. : 27 D 1.

166589

Int. Cl.<sup>4</sup> : E 02 D 5/03, 5/04.

"A PREFABRICATED FOUNDATION SUPPORT FOR SUPPORTING COLUMN".

Applicant & Inventor : PARMOD VERMA, AN INDIAN NATIONAL OF 21-B, TEG BAHADUR ROAD, DEHRA DUN-248 001, INDIA.

Application for Patent No. 48/Del/87 filed on 22nd January, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

#### 9 Claims

A prefabricated foundation support for supporting columns comprising :

- an upper member or top piece (2) and a lower member or tube (1);
- said lower member or tube being adapted to be hammered into the ground;
- said upper member or top piece removably secured to the lower member or tube;
- means being provided with any of the flanged fitted to upper; and
- lower members of the said support for angularly or rotatably displacing the upper member or top piece with respect to the lower member or tube for correcting the alignment, means being provided with said upper member for adjusting its height for correcting the difference in the level of difference supports.

Compl. specn. 9 pages

Drg. 1 sheet

Ind. Cl. : 32 F<sub>1</sub>; 32 F<sub>2</sub> b.

166590

Int. Cl.<sup>4</sup> C 07 D 233/72.

"A PROCESS FOR THE PREPARATION OF A BIOLOGICALLY-ACTIVE TETRACYCLIC SPIRO HYDANTOIN DERIVATIVE."

Applicant : PFIZER INC. A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor : RODNEY CAUGHREN SCHNUR.

Application for Patent Application No. 522/Del/87 filed on 17th June 1987.

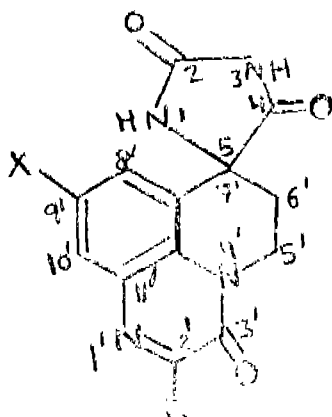
Divisional to Application No. 552/Del/85 filed on 15th July, 1985.

Ante dated to 15th July 1985.

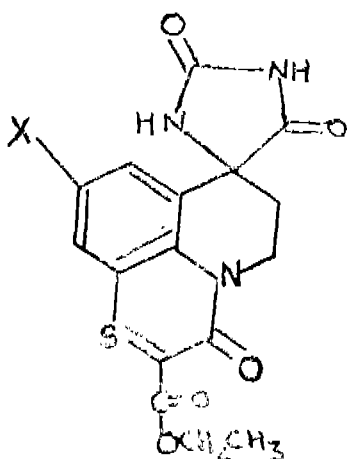
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

## 2 Claims

A process for the preparation of a biologically-active tetracyclic spiro hydantoin derivative having the general formula I



of the drawings and the pharmaceutically-acceptable acid addition salts thereof; wherein X is hydrogen, fluorine, chlorine or methyl; and R is selected from  $-\text{CONH}_2$ ,  $-\text{CONH}(\text{CH}_2)_2$ ,  $\text{OH}$ ,  $-\text{CONH}$  cyclohexyl,  $-\text{CONH-nBu}$ ,  $\text{CONH}(\text{CH}_2)_4$ ,  $\text{N}(\text{CH}_2)_2$ ,  $-\text{CON}(\text{C}_2\text{H}_5)_2$ , radical 3 or 4 of the drawing characterized in that an ethyl ester having the formula I:



of the drawings wherein X is as defined above, is reacted with an appropriate amine of the formula  $\text{HNR}^1\text{R}^2$ , wherein  $\text{R}^1$  and  $\text{R}^2$  are both hydrogen or ethyl or  $\text{R}^1$  is hydrogen and  $\text{R}^2$  is *n*-butyl, cyclohexyl, dimethylaminopropyl or 2-hydroxyethyl; or  $\text{R}^1$  and  $\text{R}^2$  together with the nitrogen atom to which they are attached form a hydrolidino or morpholino ring.

Compl. specn. 31 pages.

Drugs. 7 sheets

Int. Cl.<sup>4</sup> : C 25 B 9/00; 11/00; 13/02.

166591

ELECTROLYZER FOR THE PRODUCTION OF CHLORINE FROM ALKALI METAL CHLORIDE SOLUTION.

Applicant : UHDE GMBH, A CORPORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, OF FRIEDRICH-UHDE-STR. 15, 4600 DORTMUND 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) HELMUT SCHMITT, (2) HEIMUTH SCHURLG, (3) DR. DIETER BERGNER, (4) KURT HANNESSEN.

Application No. 19/Mas/86 filed January 15, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 7 Claims

An electrolyzer for the production of chlorine from an aqueous alkali metal chloride solution, with at least one electrolysis cell having a housing formed of two half-shells enclosing an anode and a cathode separated by a membrane, each of the anode and cathode having a plurality of perforated and unperforated sections arranged in parallel, comprising :

each of the half-shells having a bottom side extending in a plane parallel to planes with the anode and the cathode;

a metallic reinforcement positioned between each of the anode and an adjacent inner surface of said bottom side of one of the half-shells, and between each of the cathode and an adjacent inner surface of said bottom side of the other one of the half-shells, each of said reinforcements formed as a repeating series of four linear sections, one of said sections extending generally parallel to and adjacent one of the half-shell bottom sides, a second one of said sections extending generally parallel to and adjacent an associated one of the anode and the cathode, a third one of said sections connected between ends of said first and second sections and extending in a direction non-perpendicular to the planes of said half-shell bottom sides, and a fourth one of said sections connected to an opposite end of said second section and extending in a direction non-perpendicular to the planes of said half-shell bottom sides between said one half-shell bottom side and said associated one of the anode and the cathode;

a contact strip attached to an outer surface of each of said bottom sides;

means for electrically connecting each of said contact strips to said corresponding metallic reinforcement and said unperforated sections of the corresponding one of the anode and cathode in the attached half-shell; and a partition membrane extending between said anode and said cathode and gasket means sealing the half-shells to said membrane.

Compl. specn. 9 pages.

Drugs. 3 sheets

Int. CLASS : G05 F 3/06

166592

VOLTAGE IMPULSE GENERATOR FOR HIGH VOLTAGE TESTS.

Applicant & Inventor : VENKTRAM SRINIVASAN, MANAGING DIRECTOR M/S W.S. INSULATORS OF INDIA LTD., PORUR, MADRAS-602 104, AN INDIAN CITIZEN.

Application No. 30/Mas/86 filed January 20, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

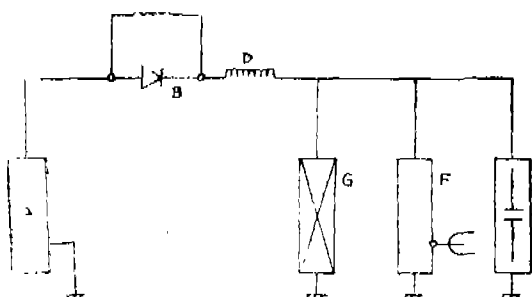


## 5 Claims

A voltage impulse generator for high voltage tests of an apparatus such as a transformer or an insulator, comprising :

a high voltage impulse generator, and a diode and an inductor connected in series with said generator characterised in that a control resistance is connected across the terminals of said diode, said diode, said inductor;

said control resistance and capacitance of the apparatus under test producing series resonance at the time of generation of high voltage impulses by said generator, peak resonant voltage produced being thus applied across the apparatus which is connected between the inductor and ground, remote from the said diode and decay of high voltage impulses being effected by the control resistance.



Compl. specn. 8 pages

Drg. 2 sheets

Int. CLASS : F 02 F 3/00; 5/00

166593

A PISTON FOR MACHINES SUCH AS AN INTERNAL COMBUSTION ENGINE OR A COMPRESSOR.

Applicant : AE PLC, OF CAWSTON HOUSE, CAWSTON, RUGBY, WARWICKSHIRE CV22 7SA, ENGLAND. A BRITISH COMPANY.

Inventors : (1) BRIAN LEONARD RUDDY (2) JEREMY WILLIAM HOLT.

Application No. 62/Mas/86 filed January 29, 1986.

Convention date : February 16, 1985; (No. 8504008; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 20 Claims

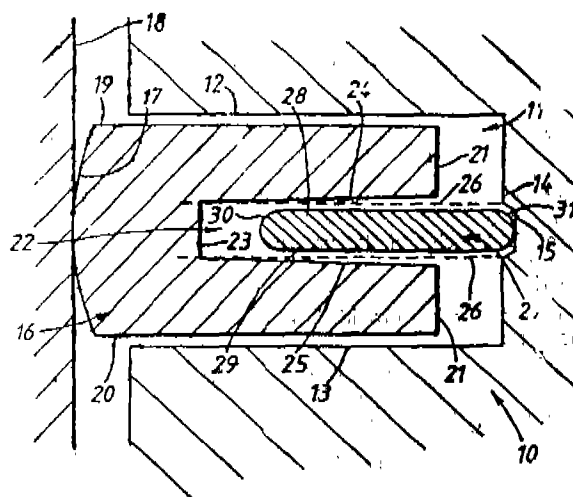
A piston for machines such as an internal combustion engine or a compressor comprising :

at least one annular piston ring groove in the piston, the groove having two radially extending walls and an axially extending wall;

a compression ring is provided in the said at least one annular piston ring groove in sealing engagement with an associated cylinder wall or liner;

the said compression ring having an outwardly extending recess;

an auxiliary sealing ring which projects into the recess in the compression ring to form a seal therewith, the sealing ring being seated at its inner periphery with a radial protrusion on the axially extending wall of the groove in the piston and is able to tilt about either side of its seat in the axial direction.



Compl. specn. 24 pages;

Drg. 4 sheets

Int. CLASS : C 12 Q 1/04

166594

APPARATUS FOR USE IN DETECTING MICRO-ORGANISMS.

Applicant : METAL BOX plc, A BRITISH COMPANY OF QUEENS MOUSE FORBURY ROAD, READING RG1 3JH, ENGLAND.

Inventors : (1) MARTIN ROBERT ACKLAND, (2) RODERICK MICHAEL DE'ATH.

Application No. 75/Mas/86 filed February 3, 1986.

Convention date : March 8, 1985; (No. 8506097, UNITED KINGDOM).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 16 Claims

Apparatus for use in detecting micro-organisms in a sample of a substance, comprising :

a container having a container body with at least one opening therein, a stopper located in said opening, and first and second electrodes such as herein described which are contactable with a sample in the container;

wherein the stopper comprises a chamber opening inwardly towards the interior of the container body and in which at least a portion of the first of the electrodes is housed, the stopper further comprising frangible wall means which separate the chamber from the interior of the container body;

whereby the said electrode portion is isolated from the contents of the container and stored aseptically in the chamber, and when the container is required for use, the wall means is ruptured to bring the electrode portion into contact with the contents of the container.

Compl. specn. 16 pages

Drg. 5 sheets

Int. CLASS : B 01 D 27/00

166595

DISPOSABLE CARTRIDGES FOR CENTRIFUGAL SEPARATORS.

Applicant : AE PLC, OF CAWSTON HOUSE, CAWSTON, RUGBY, WARWICKSHIRE CV22 7SB, ENGLAND. A BRITISH COMPANY.

Inventor: RONALD JAMES PURVEY.

Application No. 81/Mas/86 filed February 5, 1986.

Convention date : February 27, 1985; (No. 8504880; United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 10 Claims

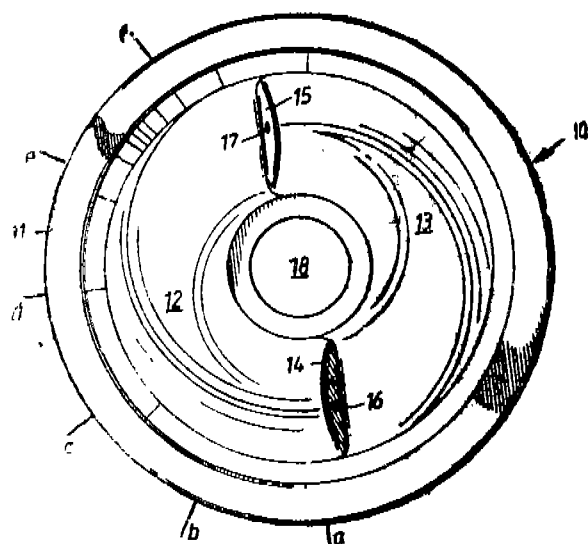
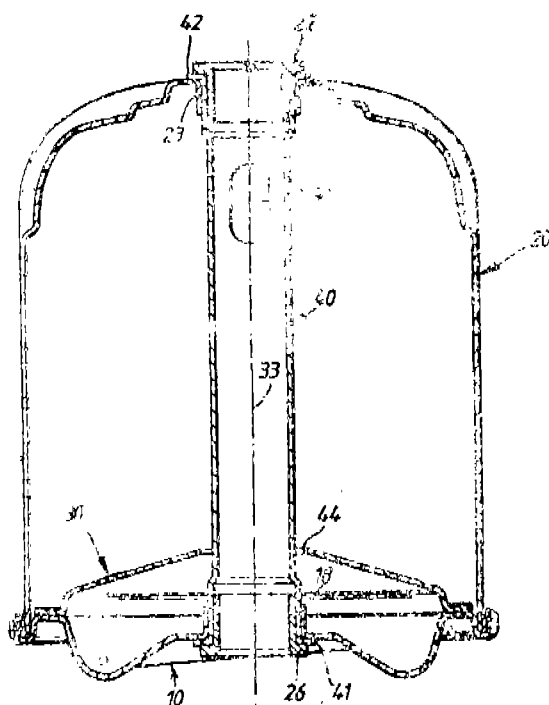
A disposable cartridge for :

a centrifugal separator for cleaning fuel or lubricating oil;

the cartridge comprising a cover member, an inner flow directing and debris-retaining member, a base member, two bearings, one each associated with the cover member and the base member wherein the base member is a sheet metal pressing having at least two nozzles formed integrally therein and through which oil leaves the cartridge in a direction so as to produce a reaction force to spin the cartridge;

the nozzles being provided in recesses in the base member;

the recesses being in the form of smoothly-contoured circumferential troughs of deepening section starting with minimum depth at the beginning of the trough remote from the nozzle and finishing with maximum depth near to the plane in which the nozzle lies.



Compl. specn. 18 pages

Drg. 6 sheets

Int. CLASS<sup>+</sup> : C21 B 13/10;  
C22 B 5/10; 23/02.

166596

## A PROCESS FOR REDUCING AGGLOMERATES.

Applicant : THE INTERNATIONAL METALS RE-CLAMATION COMPANY, INC., OF ELLWOOD CITY, PENNSYLVANIA 16117, U.S.A., A CORPORATION OF DELAWARE.

Inventors : (1) JOHN MACDOUGALL, (2) JOHN K. PARGETER.

Application No. 187/Mas/86 filed March 14, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 7 Claims

A process for reducing agglomerates containing at least one oxide selected from iron oxide, nickel oxide and cobalt oxide comprising positioning said agglomerates and a reductant on the upper surface of a substantially impervious hearth, moving said hearth in an enclosure beneath and countercurrently to the direction of movement of product of combustion gases, employing as at least part of the fuel source for said product of combustion gases a powdered solid fuel selected from the group of coke, or coal having a heat of combustion on a dry basis of at least about 20 MJ/kg. and combusting said fuel source stoichiometrically with an oxygen-containing gas to provide a plurality of luminous flames at a maximum flame temperature in excess of about 1920°K in said enclosure whereby said luminous flames are a primary source of radiant energy for direct heating of said agglomerates and the product of combustion gases deficient in free oxygen and having a velocity sufficient to pneumatically carry ash out of said enclosure to obtain the reduced metal.

Compl. specn. 16 pages

Drg. 1 sheet

Int. CLASS<sup>+</sup> : H 02 K 23/00

166597

## A MOVING STATOR FIELD MOTOR OPERATING ON A DIRECT CURRENT SOURCE.

Applicants & Inventors : (1) RAMESH CHANDRA PANDITRAO PALNITKAR; (2) MOHAN RAMESH CHANDRA PALNITKAR, & (3) VIVEK RAMESH CHANDRA PALNITKAR; ALL OF H. NO. 5-2-1026, J. N. ROAD, HYDERABAD-500 195, ANDHRA PRADESH, INDIA, ALL INDIAN NATIONALS.

Application No. 90/Mas/87 filed February 10, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

## 3 Claims

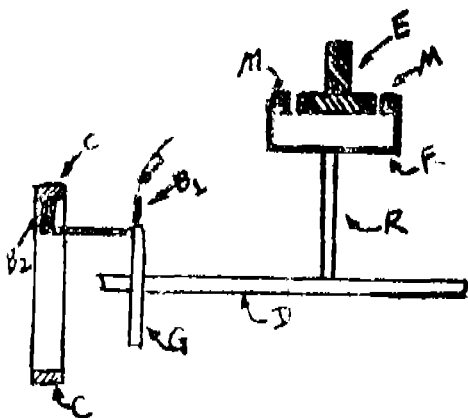
A moving stator field motor operating on a direct current source comprising a stator housing with coils;

a rotor with permanent magnets radially disposed to the axis of a drive shaft and attached thereto, the rotor and drive shaft being disposed in the stator housing;

a commutator fixed to the stator housing;

a conducting ring or disc mounted on the drive shaft and insulated therefrom, said ring or disc and commutator being respectively provided with first and second brushes in contact therewith, the ring or disc being fixed to the second brush and in electrical contact therewith, one set of ends of the coils being connected to the stator housing while the other set of ends of the coils are connected to the commutator segments, whereby when the

two leads of a direct current source are connected respectively to the first brush and to the stator housing, the stator coils are energised to drive the rotor and provide power at the output end of the drive shaft.



Compl. specn. 7 pages

Dr. 1 sheet

Int. CLASS<sup>4</sup> : B 65 C 3/08

166598

**A MACHINE FOR APPLYING LABELS ON AN ELONGATE BODY SUCH AS A CAN.**

Applicant : METAL BOX PLC, A BRITISH COMPANY, OF QUEENS HOUSE, FORBURY ROAD, READING RG1 3JH, BERKSHIRE, ENGLAND.

Inventor : PETER EDWIN BUTCHER.

Application No. 835/Mas/87 filed November 18, 1987.

Convention date : September 29, 1983; (No. 8326067; Great Britain).

Divisional to Patent No. 162477 (Ante-dated to September 28, 1984.)

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 8 Claims

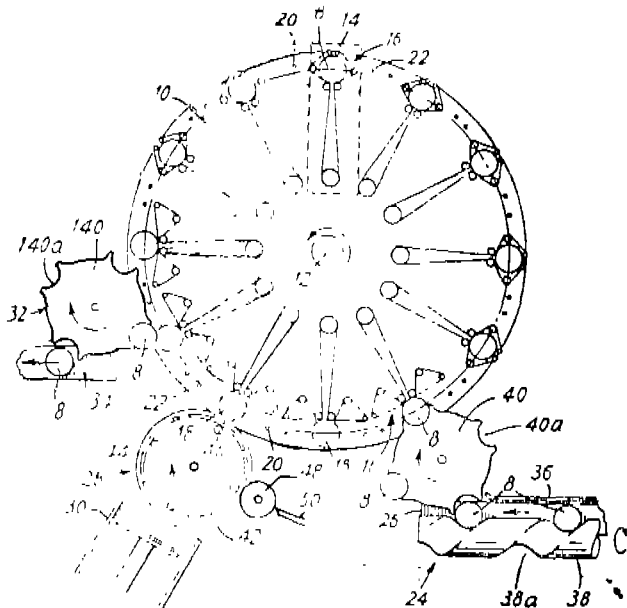
A machine for applying labels on an elongate body such as a can comprising :

- a main turntable (10) on which are arranged a plurality of wrapping stations (14) arranged at angular spacings from each other;
- a feed station (28) for the webs, which is arranged adjacent the main turntable (10) to present a web to the means (72, 76) of a wrapping station (14) is moved past the feed station (28);
- a second feed station (24) for the cans (8), which is arranged downstream of said web feed station (24) as considered in the direction of rotation of the main turntable (10);

wherein the feed station (24) for the cans (8) is so arranged that a can (8) can be introduced into each wrapping station (14) as soon as the wrapping station (14) is moved past the feed station (24), and with a discharge station (32) which is arranged downstream of the feed station (24) for the cans (8), as considered in the direction of rotation of the main turntable (10);

wherein the discharge station (32) is so arranged that a wrapped can (8) can be engaged and removed from the wrapping station (14) as soon as the

wrapping station (14) is moved past the discharge station (32).



Compl. specn. 20 pages

Dr. 6 sheets

Int. CLASS<sup>4</sup> : C07 K 1/00

166599

**A METHOD FOR PURIFYING ORIGINAL PEPTIDES OR PROTEINACEOUS SUBSTANCES.**

Applicant : BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM, DULY ESTABLISHED ACCORDING TO THE CONSTITUTION OF THE STATE OF TEXAS HAVING A PLACE OF BUSINESS AT 201 WEST, 7TH STREET, AUSTIN, TEXAS 78701, U.S.A.

Inventors : (1) EDWIN BLALOCK, (2) ERIC MORGAN SMITH, (3) KENNETH LEE BOST.

Application No. 886/Mas/87 filed December 8, 1987.

Divisional to Patent No. 162699 (130/Mas/86); Ante-dated to February 25, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

#### 2 Claims

A method for purifying original peptides or proteinaceous substances which comprises :

- (a) affixing to a suitable solid or polymeric support a complementary polypeptide having binding affinity for at least a portion of an original polypeptide or protein or known amino acid sequence, wherein the complementary polypeptide comprises an amino acid sequence aligned carboxyterminal to amino-terminal or amino-terminal to carboxy-terminal;

the amino acid sequence of the complementary polypeptide is encoded 3' to 5' or 5' to 3' by a first nucleotide sequence;

the first nucleotide sequence base-pairs with a second nucleotide sequence wherein the base-pairing is between the second bases of each nucleotide base triplet coding for amino acid;

the second nucleotide sequence corresponds to the known amino acid sequence of the original peptide or proteinaceous substance; and

wherein both the first nucleotide sequence and the second nucleotide sequence are read in the same reading frame;

- (b) placing the support having affixed complementary polypeptide in direct physical contact with a solution containing the peptide or proteinaceous substance, thereby selectively binding said original peptide, proteinaceous substance or portions thereof; and
- (c) washing the contacted support having bound original peptide, proteinaceous substance or portions thereof with a solvent to remove unbound material; and
- (d) eluting the washed support material having bound complementary polypeptide to which the original peptide, proteinaceous substance or portion thereof is also bound, with a second solvent to remove, in purified form in solution, the desired original peptide, proteinaceous substance or portion thereof.

Compl. specn. 58 pages

Drg. 7 sheets

Int. CLASS<sup>4</sup> : A01N 31/00

166600

A PROCESS FOR THE PREPARATION OF A HUMECTANT COMPOSITION.

Applicants : (1) DR. TANIKELLA SITARAMA SUBRAMANIAM, ASSISTANT MANAGER-RESEARCH, ILTD DIVISION, C/o I.T.C. LIMITED, RAJAHMUNDRY, ANDHRA PRADESH, INDIA, INDIAN NATIONAL and (2) I.T.C. LIMITED, ILTD DIVISION, GUNTUR-522 004, ANDHRA PRADESH, INDIA, HAVING ITS REGISTERED OFFICE AT VIRGINIA HOUSE, 37, CHOWRINGHEE, CALCUTTA 700 071 INDIA, AN INDIAN COMPANY.

Inventor : DR. TANIKELLA SITARAMA SUBRAMANIAM.

Application No. 887/Mas/87 filed December 9, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims. No drawing.

A process for the preparation of a humectant composition for use on crops, comprising the steps of forming a solution of 350 gm to 400gm of poly-ethylene glycol in water under application of heat at 50°C–60°C, with the addition of 5% to 10% of sorbitol to the said solution along with 25 ml of glycerol, all made up to a one litre solution in water, and filtering the same, to provide a clear, transparent liquid water dilutable concentrate of the said humectant.

Compl. specn. 8 pages.

CLASS : 48 D<sub>1</sub> & 4 & 68 C-[GROUPS-LVIII(3) & LVII(3)].

166601

Int. Cl.<sup>4</sup> : F 16 B 31/00; H 01 B 17/16.

A CLAMP ASSEMBLY FOR CLAMPING A POWER CABLE TO AN INSULATOR.

Applicant : PREFORMED LINE PRODUCTS COMPANY, OF 660 BETA DRIVE, CLEVELAND, OHIO 44143, U.S.A., A CORPORATION OF THE STATE OF OHIO, U.S.A.

Inventor : OSWALDO RAUL GALINDES.

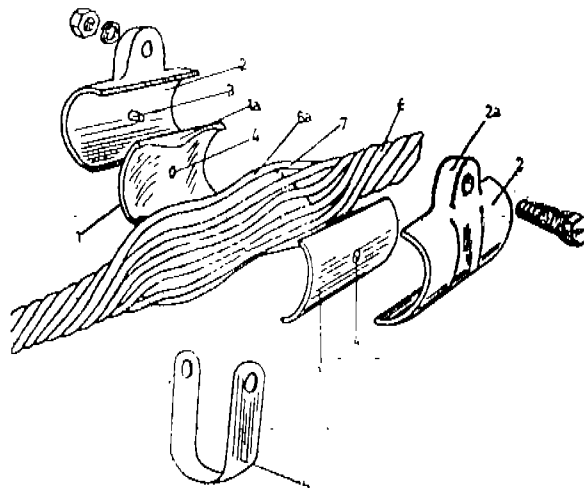
Application No. 865/Mas/85 filed October 29, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 5 Claims

A clamp assembly for clamping a power cable to an insulator, the clamp assembly comprising :

- a plurality of preformed helically twisted rods (6, 7) which, in use, are positioned about a portion of the power cable;
- a split sleeve (1) for surrounding the rods;
- a split housing (2) for receiving the sleeve; and
- at least one shearing element (3, 4) interconnecting the sleeve and the housing and adapted to shear when a predetermined axial load exists between the sleeve and the housing to permit the cable to move axially relative to the housing.



Compl. specn. 9 pages.

Drgs. 3 sheets

Int. CLASS : 172-D.8 - [GROUP-XX]

166602

Int. Cl.<sup>4</sup> : D 01 H 1/14.

AN OPEN-END SPINNING DEVICE.

Applicant : SCHUBERT & SALZER MASCHINEN-FABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, WEST GERMANY, A GERMAN COMPANY.

Inventors : (1) HANS ROTTMAYR, (2) PETER ARTZT, (3) WOLFGANG BAUER.

Application No. 937/Mas/85 filed November 20, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 22 Claims

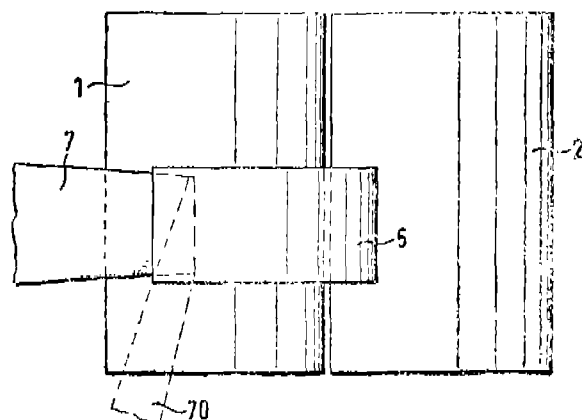
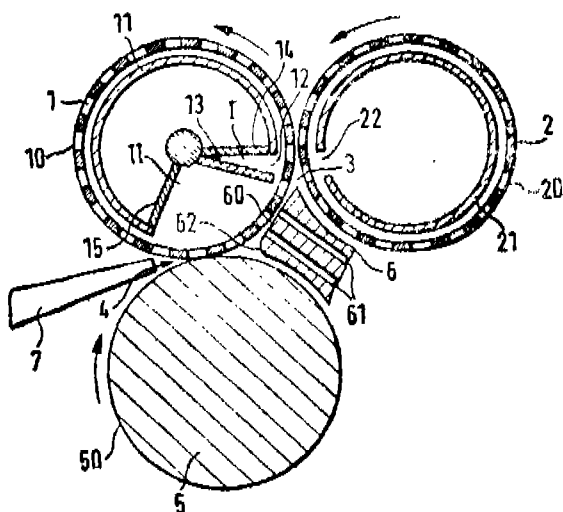
An open-end spinning device comprising :

- two friction rollers (1, 2) driven in the same direction and forming a nip (3);

at least the friction roller (2) rotating into the nip being constructed as a suction roller by means of which fibre material supplied to its surface is conveyed to the nip where the fibres are twisted together into a thread;

wherein a channel (4) for collecting the supplied fibre material is disposed at a distance from the nip (3) and is formed by a driven guide surface (50, 80) and the surface (10) of the friction roller rotating into the nip;

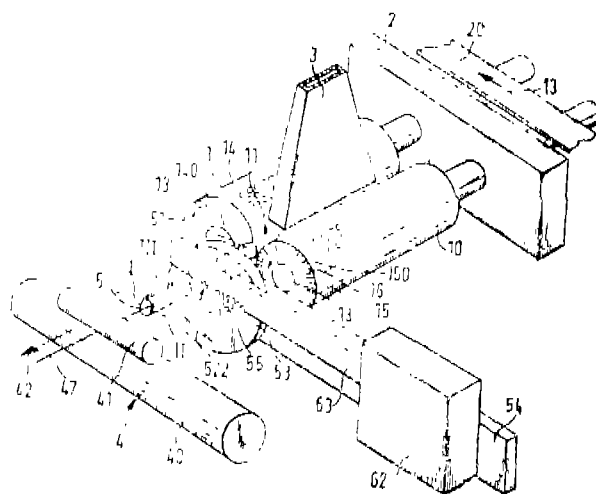
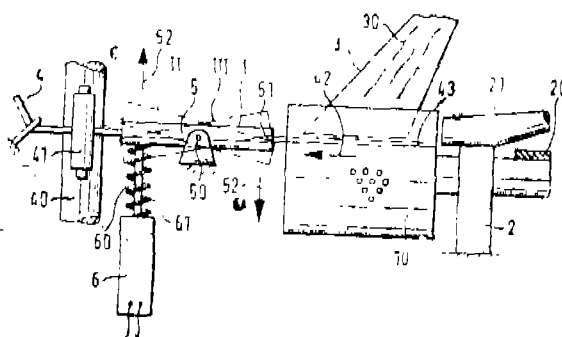
the speed of the surface in the collecting channel (4) being adjusted to the surface speed of the suction roller.



Compl. specn. 16 pages.

Drgs. 2 sheets

against this thread guide element or against at least one friction element.



Compl. specn. 22 pages.

Drgs. 4 sheets

Ind. CLASS : 172 D<sub>8</sub> - [GROUP-XX].

166603

Int. Cl.<sup>4</sup> : D 01 H 7/882; 15/00.

A METHOD AND DEVICE FOR FRICTION SPINNING OF YARN.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, WEST GERMANY, A GERMAN COMPANY.

Inventors : (1) PETER ARTZT, (2) WOLFGANG BAUER, (3) HANS ROTTMAYR.

Application No. 935/Mas/85 filed November 20, 1985.

15 Claims

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

A device for friction spinning of yarn comprising :

two friction elements driven in the same direction and forming a wedge-shaped gap;

wherein a thread guide element for guiding the drawn-off thread is disposed after the friction elements;

the thread guide element being movable transversely to the thread drawing-off direction for deflecting the thread in order to increase the pressure of the thread

Int. Cl.<sup>4</sup> : F 17 C 13/12.

166604

A DEVICE FOR INTERRUPTING THE ARC DISCHARGES IN A GAS-DISCHARGE VESSEL.

Applicant : V M E I "LENIN", OF QUARTAL DARVENITZA, SOFIA, BULGARIA, A SCIENTIFIC INSTITUTE ORGANIZED UNDER THE LAWS OF BULGARIA.

Inventors : (1) MINICHO SAVOV MINTCHEV, (2) SVETOSLAV ALEXANDROV SAVOV, (3) EMILILIEV KRESTEV.

Application No. 996/Mas/85 filed December 10, 1985.

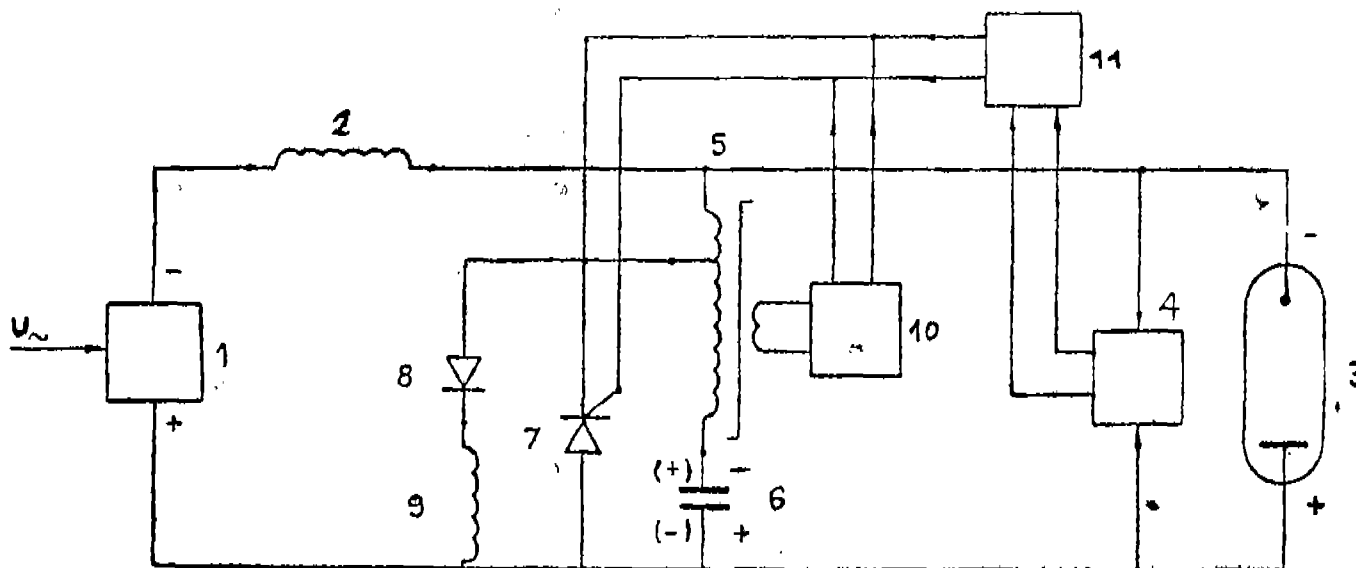
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

2 Claims

A device for interrupting arc discharges in a gas-discharge vessel consisting of a rectifier connected in parallel through a choke with the gas-discharge vessel and a series circuit including the primary of a saturating transformer and a capacitor; between an intermediate tap of the primary of the saturating transformer and the positive terminal of the rectifier a thyristor is connected with the cathode, which is connected to the intermediate tap; the input of an unit for control pulse shaping is connected with the secondary of the saturating transformer whose two outputs are correspondingly connected with two outputs of the autonomous unit for control pulse shaping (11) and are correspondingly connected with the gate and the cathode of the thyristor; said device being characterized by the fact that in parallel to gas-discharge vessel (3)

a voltage sensor (4) is connected whose two outputs are correspondingly connected with the two inputs of the autonomous unit for control pulse forming (11), and that between the intermediate tap of the primary and the positive

terminal of the rectifier (1) a series circuit of a diode (8) and a second chock (9) is connected so that the anode of the diode (8) is connected to the intermediate terminal.



Compl. specn. 10 pages.

Drg. 1 sheet

CLASS : 121 [GROUP - LXIII(2)].

166605

Int. Cl.<sup>4</sup> : C 09 K 11/00; F 21 R 9/16.

#### DISPLAY DEVICE.

Applicant : GLOBETECH LIMITED, OF P.O. BOX 253, SYDNEY VANE HOUSE, RUE DU COMMERCE, ST. PETERPORT, GUERNSEY, CHANNEL ISLANDS, A BRITISH COMPANY.

Inventors : (1) BRANDT, ROLET, (2) VAN DIJK, RUDY JOHANNES LUDWIG.

Application No. 972/Mas/85 filed December 3, 1985.

Convention date : December 12, 1984; (No. 8431359; United Kingdom).

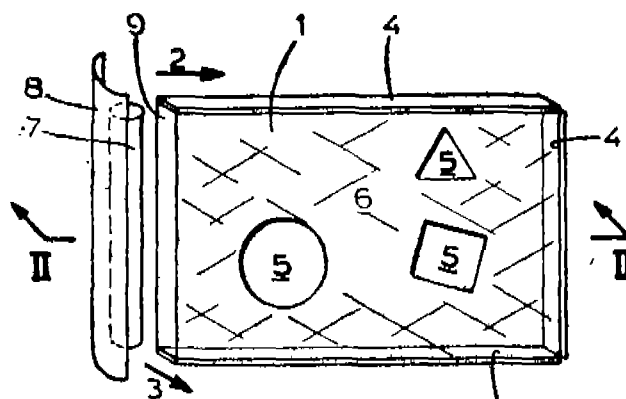
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 13 Claims

Display device comprising :

- a rigid, light transmitting body having a substantially larger dimension in a first direction than in at least one second direction essentially perpendicular to the first direction;
- a light transmitting carrier adjacent to at least part of the surface(s) of the body essentially perpendicular in said carrier;
- a luminescent pigment of pigment composition dispersed in said carrier;
- as well as at least one light source irradiating light in the body essentially in the first direction wherein said light source is an ultraviolet light emitting light source, whereas said light transmitting body is of a UV-light

transmitting material and said luminescent pigment or composition is a known fluorescent pigment.



Compl. specn. 15 pages.

Drg. 1 sheet

Int. Cl.<sup>4</sup> : C 07 C 5/02.

166606

A PROCESS FOR THE SELF-HYDROGENATION OF OLEFINS IN REFINERY GASES FROM FLUID CATALYTIC CRACKING PLANTS (FCC) AND FROM DELAYED COKING PLANTS.

Applicants : PETROLEO BRASILEIRO S. A.-PETROBRAS, A BRAZILIAN COMPANY WITH HEAD OFFICE AT XV, REPUBLICA DO CHILE, 65, RIO DE JANEIRO, BRAZIL AND PETROBRAS FERTILIZANTES S. A. -PETROFERTIL, A BRAZILIAN COMPANY WITH HEAD OFFICE AT PRACA MAHATMA GANDHI, 14, RIO DE JANEIRO, BRAZIL.

Inventors : (1) JOSE GERALDO FURTADO RAMOS, (2) CARLOS RODRIGUES PAIVA, (3) JOSE LINO DE ALCANTARA JUNIOR, (4) OBDULIO DIEGO JUAN FANTI.

Application No. 1001/Mas/85 filed December 12, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

### 3 Claims

A process for the self-hydrogenation of the olefins of refinery gas from fluid catalytic cracking plants and delayed coking plants to produce hydrogenated sulphur free refinery gas comprising the steps of :

separating liquid from a refinery gas stream A in a liquid separating vessel (1) and splitting the liquid free-gas stream into two streams B and C;

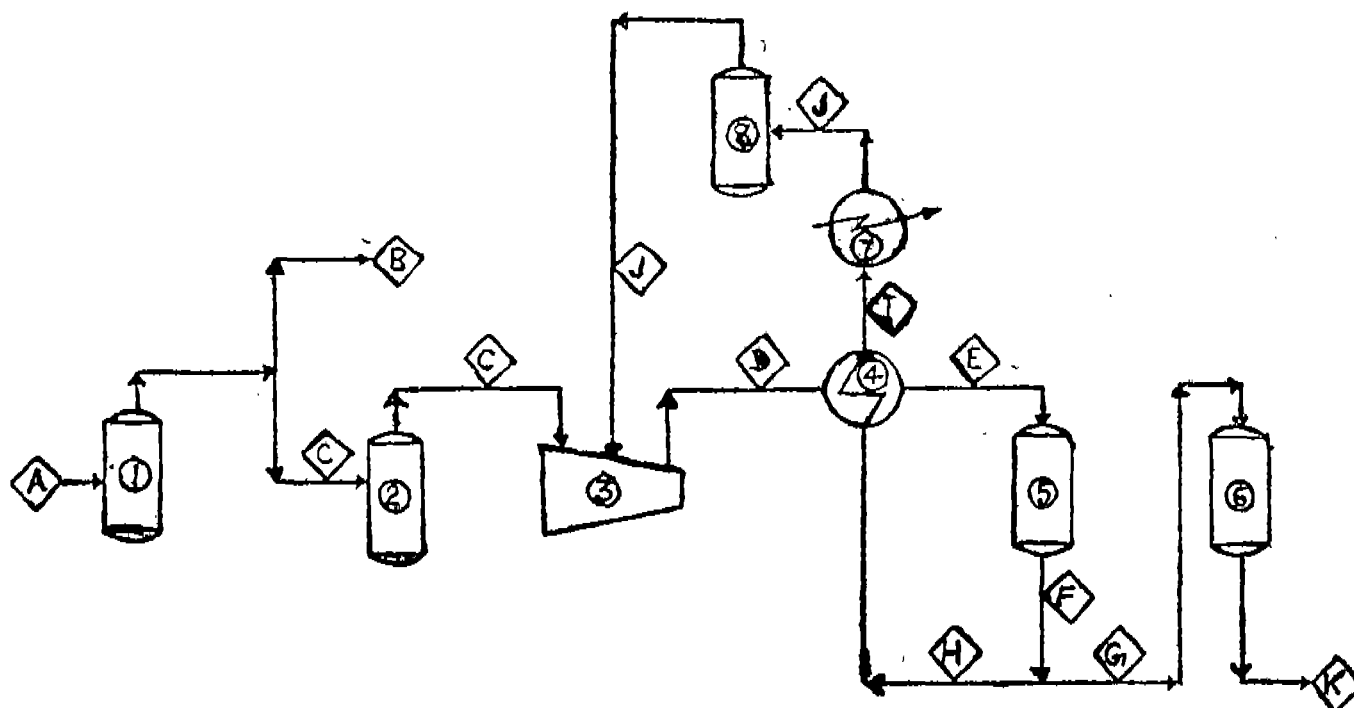
feeding stream B into a fuel gas system;

stream C is compressed in a compressor unit comprising a suction drum (2) and a compressor (3), at a pressure of 100 to 713 psi (7—50 kg/cm<sup>2</sup>) at a temperature between 250°C and 400°C and hourly space velocity between 700 h<sup>-1</sup> and 2500 h<sup>-1</sup> alongwith recycled stream J forming stream D;

heating stream D in a heat exchanger (4) with recycled effluent from a hydrogenation reactor (5) to form stream E, which is passed through the hydrogenation reactor (5) to form stream F, which is passed through the hydrogenation reactor filled with a fixed bed catalyst of cobalt-molybdenum oxide, or nickel-molybdenum, the ratio of feed to recycle gas is controlled so that the temperature of said reaction maintains minimum level of coke deposit on the catalyst without reduction in the rate of the hydrogenation reaction;

splitting the stream F, into two portions G and H and passing stream G, through a zinc oxide fixed bed reactor (6) to remove as zinc sulphide the hydrogen sulphide present in the product stream to obtain the hydrogenated, sulphur free refinery gas;

passing the other stream H, to the heat exchanger into which stream D is fed, in order to cool said portion of stream F and give heat to the feed stream D, the resultant gas stream I is cooled further with water in another exchanger (7) to obtain stream J having temperature in the range of 170—140°C, separating the liquid formed in a separating vessel (8), and injecting the remaining stream J into the compressor along with stream C.



Compl. specn. 18 pages.

Drg. 1 sheet

Index at acceptance : 132 D [XXXIV(3)].

166607

Int. Cl.<sup>4</sup> : B 01 F 3/00.

### PROCESS FOR THE PREPARATION OF ANTHRAQUINONE DISPERSION.

Applicant : ATOCHEM, A FRENCH BODY CORPORATION, OF 12—16 ALLEE DES VOSAGES, 92400 COURBEVOIE, HAUTS-DE-SEINE, FRANCE.

Inventors : (1) MICHEL DEVIC, (2) JEAN-PIERRE SCHIRMANN.

Application No. 1012/Mas/85 filed December 17, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 5 Claims

A process for producing anthraquinone dispersion in which the reaction mixture produced by the cyclization of orthobenzoylbenzoic acid at a temperature from 150°C to 180°C and an absolute pressure from 5 to 40 millibars, in the presence of 0.5 to 2 parts by weight of sulphuric acid assaying at least 95% by weight, per part of orthobenzoylbenzoic acid is brought to a pH of 7 or greater by the addition, at a temperature from ambient temperature to 100°C, of an aqueous solution of 10% to 40% by weight of sodium or potassium hydroxide, and dispersing the anthraquinone formed in the resulting suspension by any known manner and optionally drying said dispersion.

Compl. specn. 11 pages

Drg. Nil

Ind. CLASS : 146 D<sub>3</sub> - [XXXVIII(2)].

166608

9 Claims

Int. Cl.<sup>4</sup> : G 02 B 5/08.**MIRROR.**

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 3M CENTER, SAINT PAUL, MINNESOTA 55144—1000, UNITED STATES OF AMERICA.

Inventors : (1) JOHN LEONARD ROCHE, (2) GEORGE VAN DYKE TIERS.

Application No. 10022/Mas/85 filed December 23, 1985.

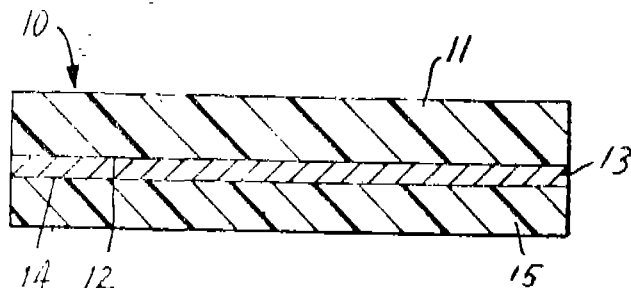
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

**15 Claims**

A highly reflective and corrosion-resistant mirror characterized by comprising in combination :

- (a) a polymeric substrate;
- (b) a thin, specularly reflective layer of silver overlying said substrate and bonded thereto;
- (c) at the surface of the silver layer that is distal to said substrate is sufficient mercaptide-type sulfur having a spreading drop area of at least 6 mm<sup>2</sup> to bond with a substantial fraction of the available silver atoms, and
- (d) at least one thin protective layer of film-forming polymer overlying said distal surface and firmly adherently bonded thereto;

at least said substrate or said film-forming polymer being transparent to visible light so that the specular surface of the silver can be seen there-through.



Compl. specn. 20 pages.

Drg. 1 sheet

CLASS : 32 E [IX(1)]

166609

Int. Cl.<sup>4</sup> : C 08 F 114/06**A PROCESS FOR PRODUCING VINYL CHLORIDE RESIN.**

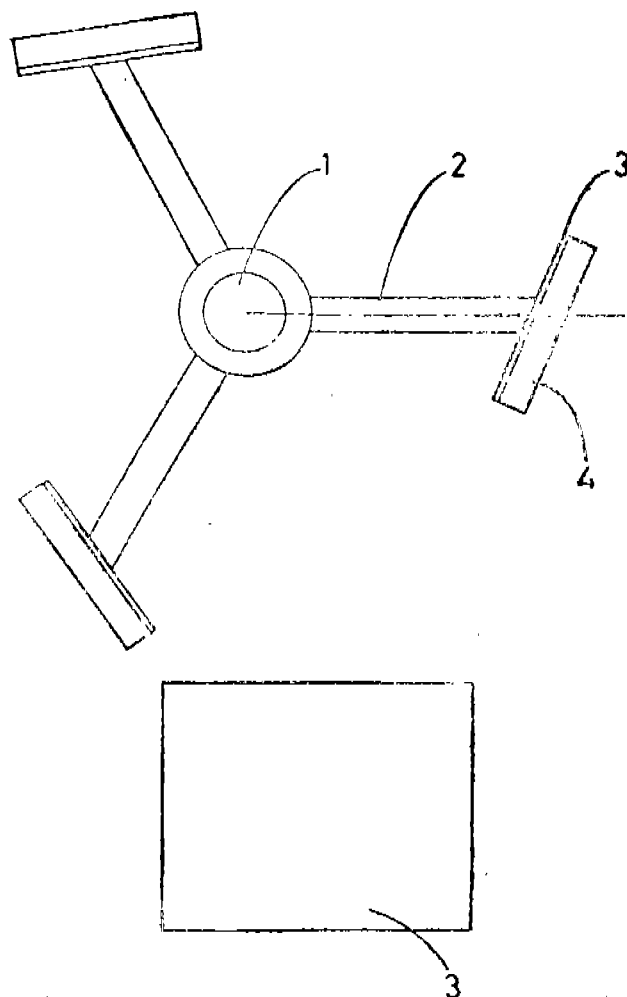
Applicant : KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, OF 2-4, 3-CHOME, NAKANOSHIMA, KITA-KU, OSAKA-SHI, JAPAN, A JAPANESE COMPANY.

Inventors : (1) TEIJI KABAYASHI, (2) YOSHIO TOMISHIMA, (3) TAIZOYAMAMOTO AND (4) YASUHIRO NOJIMA.

Application No. 1036/MAS/85 filed December 31, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

A process for a two stage production of vinyl chloride resin by suspension polymerization system of vinyl chloride monomer and other monomers, the said process comprises the steps of stirring the reactants by a Brumagine-type impeller, controlling a water to monomer ratio of the initial charge within a range of 0.8 to 1.0, allowing the polymerization to proceed up to 50 weight percent, further polymerizing the polymer obtained by the first step at a temperature in the range 3 to 10°C higher than the polymerization temperature in the first stage, with water being added continuously or intermittently in the course of polymerization for keeping constant volume to obtain vinyl chloride resin having the water to monomer ratio in the range of 1.0 to 1.4 wherein the Brumagine type impeller used for stirring the reactants comprises arms and main blades, each main blade being provided with at least one auxiliary blade which extends radially outwardly and is inclined with respect to a horizontal plane swept by said arms.



Compl. Specn. 26 pages.

Drg. 2 sheets.

Int. Cl.<sup>4</sup> : B 65 B 35/46

166610

**AN APPARATUS FOR TRANSPORTING CONICAL THREAD PACKAGES.**

Applicant : RIETER MACHINE WORKS LTD., A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND, OF CH-8406 WINTERTHUR, SWITZERLAND.

Inventors : (1) ALFRED CARL, (2) ANDRE LATTION, (3) REINHARD OEHLER.

Application No. 125/Mas/88 filed February 26, 1988.



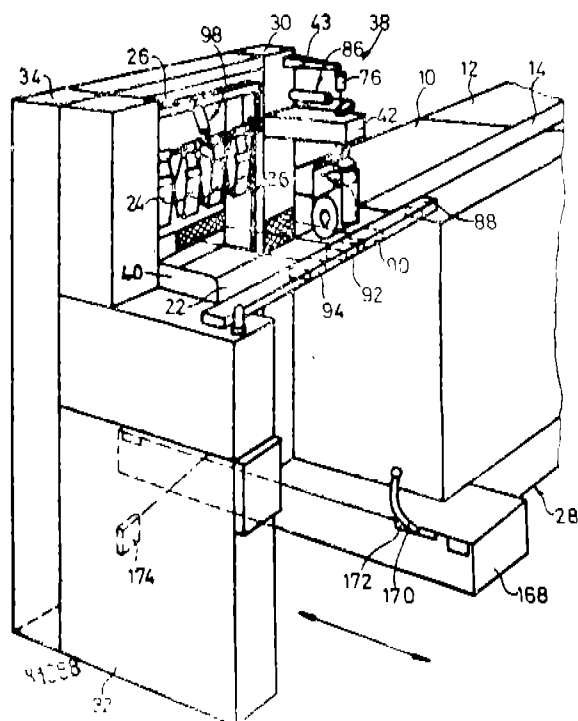
Divisional to Patent No. 163341; Ante-date to November 5, 1984.

Convention date : December 2, 1983; (No. 8332252; United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972, Patent Office, Madras Branch).

#### 11 Claims

An apparatus for transporting conical thread packages comprising conveying means for moving packages in succession along a predetermined path; means for halting each package at a package orientation station by temporarily terminating, at said station the conveying action exerted on the respective package by said conveying means, and a package orienting unit disposed above said conveying means at said station, with a pair of package engaging members movable between a first relative disposition thereof in which said package engaging members are situated outside said predetermined path so as not to interfere with the movement of the respective package into and out of the station, and a second relative disposition in which said package engaging members engage the respective package at said station at opposite sides of the respective package, a package orientation sensor carried by at least one of said package engaging members and operative for sensing the orientation of the respective package engaged by said package engaging members, selectively operable means for raising and lowering said package engaging members to lift the respective package which is engaged thereby clear of said conveying means and to return such package to said conveying means and means for rotating said package engaging members in their raised position to reverse the rotation of the respective package engaged thereby.



Compl. Specn. 41 pages.

Drgs. 6 sheets.

#### REGISTRATION OF DESIGNS

The following designs have been registered. The are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 161573. The Jay Engineering Works Ltd., of 23 Kasturba Gandhi Marg New Delhi-110 001, India, an Indian Company. "Fan". 6th November, 1989.

Class 3. Nos. 161569 to 161571. Pearl Polymers Limited, an Indian company of 704, Rohit House, 3, Tolstoy Marg, New Delhi-110 001, India. a "Container". 31st October, 1989.

Class 3. No. 161584. Hawkins Cookers Limited, of F-101 Maker Towers, Cuffe Parade, Bombay-400 005, Maharashtra, India, an Indian Company. "Measuring Spoon". 9th November, 1989.

Class 3. No. 161587. Hawkins Cookers Limited, of F-101 Makers Towers, Cuffe Parade, Bombay-400 005, Maharashtra, India, an Indian Company, "Measuring Cup". 9th November, 1989.

Class 3. No. 161623. Plastotech, U-No. 140, Veena Dalvai Ind. Estate, S. V. Road, Jogeshwari (W), Bombay-400 102, State of Maharashtra, India, an Indian Partnership firm. "BOX". 23rd November, 1989.

Class 3. Nos. 161713 & 161714. Microlit, a Registered Indian Partnership Concern, of B-1601, Indira Nagar, Lucknow 226 016, Uttar Pradesh, India. "Pipette Controller". 15th December, 1989.

Class 12. No. 161597. F. C. Sondhi & Co., (India) Pvt. Ltd., Basti Sheikh Road, Jalandhar, (PB), India, (An Indian Company, duly registered under the Companies Act, 1956) of the above address. "The Hockey Leg Guards". 16th November, 1989.

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